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No. 18] NEW DELHI, SATURDAY, APRIL 29, 2000 (VAISAKHA 9, 1922)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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Calcutta, the 29th April 2000

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Floors, 234/4, Acharya Jagadish
Bose Road, Calcutta-700 020.

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Telegraphic address "PATENTS"
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Fax No. 033 247 3851

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एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 29 अप्रैल 2000

पेटेन्ट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेन्ट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेन्ट कार्यालय शाखा, टांडी इस्टेट,
तीसरा तल, लोअर परेल (प.),
मुम्बई-400013 ।

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा गोआ राज्य क्षेत्र एवं संघ
शासित क्षेत्र, दमन तथा दीव एवं
दादर और नगर हवेली ।

तार पता - "पेटोफिस"
फोन : 482 5092 फैक्स : 022 4950 622

पेटेन्ट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ ।

तार पता - "पेटेंटोफिक"
फोन : 578 2532 फैक्स : 011 576 6204

पेटेन्ट कार्यालय शाखा,
विंग "सी" (सी-4, 5),
तीसरा तल, राजाजी भवन,
बेसेन्ट नगर, चेन्नई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
तथा पाण्डिचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्षद्वीप, मिनिकाय
तथा एमिनिदिवि द्वीप ।

तार पता-"पेटेंटोफिस"
फोन : 490 1495 फैक्स : 044 490 1492

पेटेन्ट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कलकत्ता-700 020 ।

भारत का अवशेष क्षेत्र ।

तार पता - "पेटेंट्स"
फोन : 247 4401 फैक्स : 033 247 3851

पेटेन्ट अधिनियम, 1970 तथा पेटेन्ट (संशोधन) अधिनियम, 1999 अथवा पेटेन्ट (संशोधन) नियम, 1972 द्वारा अपेक्षित सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज या कोई फीस पेटेन्ट कार्यालय के केवल समुचित कार्यालय में ही ग्रहण किये जायेंगे ।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान की अनुसूचित बैंक में नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है ।

CORRIGENDUM

Under the heading "PATENT SEALED" in the Gazette of India, Part-III, Sec-2 dated 03rd Dec., 99 notified on 01st Jan., 2000 delete the following Patent nos. which was inadvertantly sealed :—

Patent No. & Notified date

182489 (1985/Mas/97)—01-01-2000.

182490 (1986/Mas 97)—01-01-2000.

182588(275/Bom/98)—01-01-2000.

Under the heading "PATENT SEALED" in the Gazette of India, Part-III, Sec-2 dated 24th March, 2000 to be notified on 22nd April, 2000 delete the Patent No. 183096 (88/Bam/97) which was inadvertantly sealed.

NATIONAL PHASE APPLICATION FOR PATENT UNDER PCT (CHAPTER-I)
FILED FROM 07-09-1999 to 15-10-1999

National Phase Application No. : IN/PCT/99/00031.

Date of Receipt : 07 September 1999.

PCT Application No. : PCT/IB99/00011.

PCT Filing Date : 08 January 1999.

Applicant(s) & Inventor(s) : KONINKLIJKE PHILIPS ELECTRONICS N. V.

Title : DEVICE FOR ENCODING/DECODING N-BIT SOURCE WORDS INTO CORRESPONDING M-BIT CHANNET WORLDS, AND VICE VERSA.

Priority No. : 98200041.6.

Priority Date : 09 January 1998.

National Phase Application No. : IN/PCT/99/00032.

Date of Receipt : 10 September 1999.

PCT Application No. : PCT/EP98/08517.

PCT Filing Date : 31 December 1998.

Applicant(s) & Inventor(s) : AIR LIQUIDE ITALIA S. R. L.

Title : METHOD FOR PREPARING A WELDING FLUID OF CONSTANT PHYSICO-CHEMICAL CHARACTERISTICS WITH TIME, AND A PLANT FOR ITS PREPARATION.

Piority No. : MI98A000043.

Priority Date : 14 January 1998.

National Phase Application No. : IN/PCT/99/00033.

Date of Receipt : 14 September 1999.

PCT Application No. PCT/EP99/00567.

PCT Filing Date : 28 January 1999.

Applicant(s) & Inventor(s) : PALAZZOLI S. P. A.

Title : DEVICE FOR CLAMPING THE CABLE IN ELECTRICAL OUTLETS OR PLUGS.

Priority No. : BS98U000015.

Priority Date : 06 February 1998.

National Phase Application No. IN/PCT/99/00034.

Date of Receipt : 17 September 1999.

PCT Application No. : PCT/SE99/00041.

PCT Filing Date : 14 January 1999.

Applicant(s) & Inventor(s) : LUOSSAVAARA-KIIRUNAVAARA AB [LKAB].

Title : METHOD TO LOWER THE FORMATION OF CLODS AND THE CLUSTERING TENDENCY OF REDUCABLE IRON CONTAINING AGGLOMERATED MATERIAL, IN PARTICULAR PELLETS.

Priority No. : 9800292-6.

Priority Date : 02 February 1998.

National Phase Application No. : IN/PCT/99/00035.

Date of Receipt : 20 September 1999.

PCT Application No. PCT/JP98/05512.

PCT Filing Date : 07 December 1998.

Applicant(s) & Inventor(s) : MITSUBISHI DENKI KABUSHIKI KAISHA.

Title : NOISE REDUCTION APPARATUS AND NOISE REDUCTION METHOD.

Priority No. : HEI 10-84174.

Priority Date : 30 March 1998.

National Phase Application No. : IN/PCT/99/00036.

Date of Receipt : 21 September 1999.

PCT Application No. : PCT/FR99/00237.

PCT Filing Date : 04 February 1999.

Applicant(s) & Inventor(s) : HOECHST MARION ROUSSEL.

Title : YEAST STRAINS POSSESSING THE INTERRUPTED ATF2 GENE AND THEIR APPLICATIONS.

Priority No. : 98/01329.

Priortiy Date : 05 February 1998.

National Phase Application No. : IN/PCT/99/00037.

Date of Receipt : 21 September 1999.

PCT Application No. : PCT/SE99/00105.

PCT Filing Date : 27 January 1999.

Applicant(s) & Inventor(s) : ASEA BROWN BOVERI AB.

Title : CONTROL EQUIPMENT FOR ACTIVE FILTERS AND A METHOD FOR REDUCTION OF HARMONICS IN A BIOPOLAR DC LINK.

Priority No. : 9800464-1.

Priority Date : 18 February 1998.

National Phase Application No. IN/PCT/99/00038.

Date of Receipt : 23 September 1999.

PCT Application No. : PCT/EP99/00811.

PCT Filing Date . 08 February 1999.

Applicant(s) & Inventor(s) : DORMA GMBH & CO. AG.

Title : HOUSING, ESPECIALLY FOR AUTOMATIC DOOR OPERATORS.

Priority No. 19804860.2.

Priority Date : 09 February 1998.

National Phase Application No. : IN/PCT/99/00039.

Date of Receipt : 27 September 1999.

PCT Application No. : PCT/EP98/08203.

PCT Filing Date . 15 December 1998.

Applicant(s) & Inventor(s) : SIEMENS AKTIENGESELLSCHAFT.

Title . DATA CARRIER FOR CONTACTLESS RECEPTION OF DATA AND ENERGY AND METHOD FOR OPERATING THE SAME.

Priority No. : 98102790.7.

Priority Date : 17 February 1998.

National Phase Application No. : IN/PCT/99/00040.

Date of Receipt : 29 September 1999.

PCT Application No. : PCT/US98/27412.

PCT Filing Date : 22 December 1998.

Applicant(s) & Inventor(s) : INFODREAM CORPORATION.

Title : BUBBLE EDIT.

Priority No. : 60/070,074.

Priority Date : 31 December 1997.

National Phase Application No. : IN/PCT/99/00041.

Date of Receipt : 29 September 1999.

PCT Application No. : PCT/US98/27664.

PCT Filing Date : 28 December 1998.

Applicant(s) & Inventor(s) : INFODREAM CORPORATION.

Title : EXTRACTION SERVER FOR UNSTRUCTURED DOCUMENTS.

Priority No. 60/068,920.

Priority Date : 29 December 1997.

National Phase Application No. : IN/PCT/99/00042.

Date of Receipt : 30 September 1999.

PCT Application No. : PCT/EP99/00595.

PCT Filing Date : 29 January 1999.

Applicant(s) & Inventor(s) : GIESECKE & DEVRIENT GMBH.

Title : PRINTED DOCUMENT HAVING A VALUE AND COMPRISING A LUMINESCENT AUTHENTICITY FEATURE.

Priority No. : 19804032.6.

Priority Date : 02 February 1998.

National Phase Application No. : IN/PCT/99/00043.

Date of Receipt : 01 October 1999.

PCT Application No. : PCT/EP99/00592.

PCT Filing Date : 29 January 1999.

Applicant(s) & Inventor(s) : GIESECKE & DEVRIENT GMBH.

Title : DOCUMENT HAVING A VALUE.

Priority No. : 19804024.5.

Priority Date : 02 February 1998.

National Phas e Application No. : IN/PCT/99/00044.

Date of Receipt : 01 October 1999.

PCT Application No. : PCT/EP99/00596.

PCT Filing Date : 29 January 1999.

Aplicant(s) & Inventor(s) : GIESECKE & DEVRIENT GMBH.

Title : PRINTED DOCUMENT HAVING VALUE AND COMPRISING A LUMINESCENT AUTHENTICITY FEATURE.

Priority No. 19803997.2.

Priority Date : 02 February 1998.

National Phase Application No. : IN/PCT/99/00045.

Date of Receipt : 01 October 1999.

PCT Application No. : PCT/EP99/000594.

PCT Filing Date : 29 January 1999.

Applicant(s) & Inventor(s) : GIESECKE & DEVRIENT GMBH.

Title : PRINTED DOCUMENT HAVING A VALUE AND COMPRISING A LUMINESCENT AUTHENTICITY FEATURE BASED ON A HOST LATTICL.

Priority No. : 19804021.0.

Priority Date : 02 February 1998.

National Phase Application No. : IN/PCT/99/00046.

Date of Receipt : 01 October 1999.

PCT Application No. PCT/EP99/000593.

PCT Filing Date : 29 January 1999.

Applicant(s) & Inventor(s) : GIESECKE & DEVRIENT GMBH.

Title : PRINTED DOCUMENT HAVING A VALUE, WITH LUMINESCENT AUTHENTICITY FEATURE.

Priority No. : 19804012.1.

Priority Date : 02 February 1998.

National Phase Application No. : IN/PCT/99/00047

Date of Receipt : 04 October 1999.

PCT Application No. : PCT/BR99/00015.

PCT Filing Date : 19 February 1999.

Applicant(s) & Inventor(s) : MULTIBRASS S. A. ELETRC DOMESTICOS.

Title : ASYSTEM AND A PROCESS FOR SUPPLYINC FLUID IN HERMATIC CIRCUITS.

Priority No. : P19801296-7.

Priority Date : 02 March 1998.

National Phase Application No. : IN/PCT/99/00048.

Date of Receipt : 04 October 1999.

PCT Application No. : PCT/JP99/00274.

PCT Filing Date : 25 January 1999.

Applicant(s) & Inventor(s) : HITACHI METALS, LIM TED.

Title : BONDED MAGNET, MAGNET ROLL, FER RITE POWDER USED THEREFOR AND METHOD FC PRODUCING SAME.

Priority No. : 10-11453.

Priority Date : 23 January 1998.

National Phase Application No. : IN/PCT/99/00049.

Daet of Receipt : 05 October 1999.

PCT Application No. : PCT/IB99/00196.

PCT Filing Date : 04 February 1999.

Applicant(s) & Inventor(s) : KONINKLIJKE PHILIP: ELECTRONICS N.V.

Title : A POWER CONSUMPTION REDUCTIOI METHOD IN A DIGITAL MOBILE RADIO SYSTEM AN A MOBILE RADIO STATION.

Priority : 98400422.6.

Priority Date : 20 Februaiy 1998.

National Phase Application No. : IN/PCT/99/00050.

Date of Receipt : 05 October 1999.

PCT Application No. PCT/EP99/00822.

PCT Filing Date : 09 February 1999.

Applicant(s) & Inventor(s) : DORMA GMBH + CO. KG

Title : ATTACHMENT OF END CAPS TO HOUSING. WHICH ARE COMPOSED OF PROFILES.

Priority No. : 19804801.7.

Priority Date : 09 February 1998.

National Phase Application No. : IN/PCT/99/00051.

Date of Receipt : 06 October 1999.

PCT Application No. PCT/EP99/01357.

PCT Filing Date : 03 March 1999.

Applicant(s) & Inventor(s) : SCHELLENBACH FRANK

Title : PLASTIC CLOSURE CAP COMPRISING DETACHABLE ANNULAR GAURANTEE BAND AN AN INNER SEALING.

Priority No. : 19808926.0.

Priority Date : 03 March 1998.

National Phase Application No. : IN/PCT/99/00052.

Date of Receipt : 11 October 1999.

PCT Application No. : PCT/US/98/27003.

PCT Filing Date : 18 December 1998.

Aplicant'(s) & Inventor(s) : MOTOROLA INC

Title : DATA COMMUNICATIONS TERMINAL AND METHOD OF ADJUSTING A POWER SIGNAL GENERATED THEREFROM.

Priority No. : 09/025,826.

Priority Date : 19 February 1998.

National Phase Application No. : IN/PCT/99/00053.

Date of Receipt : 12 October 1999.

PCT Application No. : PCT/GB99/00450.

PCT Filing Date : 12 February 1999.

Applicant(s) & Inventor(s) : XAAR TECHNOLOGY LIMITED.

Title : OPERATING OF DROPLET DEPOSITION APPARATUS.

Priority No. : 9802871.5.

Priority Date : 12 February 1998.

National Phase Application No. : IN/PCT/99/00054.

Date of Receipt : 13 October 1999.

PCT Application No. : PCT/IB99/00239.

PCT Filing Date : 11 February 1999.

Applicant(s) & Inventor(s) : KONINKLIJKE PHILIPS ELECTRONICS N.V.

Title : METHOD IN SELECTIVE CALL SYSTEM INCLUDING A PRIMARY STATION IT MEANS FOR SENDING A QUALIFYING CALL FROM WHICH DATA CAN BE DETERMINED AT A SECONDARY STATION.

Priority No. : 9803501.7.

Priority Date : 20 February 1998.

National Phase Application No. : IN/PCT/99/00055.

Date of Receipt : 13 October 1999.

PCT Application No. : PCT/IB99/00264.

PCT Filing Date : 15 February 1999.

Applicant(s) & Inventor(s) : KONINKLIJKE PHILIPS ELECTRONICS N.V.

Title : CLOCK RECOVERY CIRCUIT AND A RECEIVER HAVING A CLOCK RECOVERY CIRCUIT.

Priority No. : 9804045.4.

Priority Date : 26 February 1998.

National Phase Application No. : IN/PCT/99/00056.

Date of Receipt : 21 October 1999.

PCT Application No. : PCT/JP99/01060.

PCT Filing Date : 05 March 1999.

Applicant(s) & Inventor(s) : MITSUBISHI HEAVY INDUSTRIES, LIMITED.

Title : ACID PICKING DEVICE.

Priority No. : 1059307.

Priority Date : 11 March 1998.

National Phase Application No. : IN/PCT/99/00057.

Date of Receipt : 21 October 1999.

PCT Application No. : PCT/JP99/01059.

PCT Filing Date : 05 March 1999.

Applicant(s) & Inventor(s) : MITSUBISHI HEAVY INDUSTRIES, LIMITED.

Title : ACID PICKING DEVICE.

Priority No. : 1059306.

Priority Date : 11 March 1998.

National Phase Application No. IN/PCT/99/00058.

Date of Receipt :: 14 October 1999.

PCT Application No. : PCT/CH99/00003.

PCT Filing Date : 06 January 1999.

Applicant(s) & Iuventor(s) : RASHPAL BAINS.

Title : BATTERY-OPERATED BIDET.

Priority No. : 101/98.

Priority Date : 15 January 1998.

National Phase Application No. : IN/PCT/99/00059.

Date of Receipt : 15 October 1999.

PCT Application No. : PCT/EP99/01091.

PCT Filing Date : 19 February 1999.

Applicant(s) & Inventor(s) : SCIL ANIMAL CARE CO. GMBH.

Title : SYSTEM AND METHOD FOR IDENTIFYING AND AUTHENTICATING ACCESSORIES AUXILIARY AGENTS AND/OR FUELS FOR TECHNICAL APPARATUS.

Priority No. 19807177.9.

Priority Date : 20 February 1998.

National Phase Application No. : IN/PCT/99/00060.

Date of Receipt : 15 October 1999.

PCT Application No. : PCT/EP99/01092.

PCT Filing Date : 19 February 1999.

Applicant(s) & Inventor(s) : SCIL DIAGNOSTICS GMBH.

Title : ANALYSIS SYSTEM.

Priority No. : 19807177.9.

Priority Date : 20 February 1998.

ALTERATION OF DATE U/S 16

183819
(2181/C/97) Ante dated to 10-2-1995.

183831 filed on 14-5-91.
(416/Del/91) Ante dated to 10-5-88.

183832 filed on 23-5-91.
(448/Del/91) Ante dated to 23-5-88.

183842
Patent No. (2423/Mas/97) Ante dated to Dec. 12, 1995.

183843
Patent No. (2424/Mas/97) Ante dated to Dec. 12, 95.

183844
Patent No. (2427/Mas/97) Ante dated to 12th Dec. 95.

183845
Patent No. (2428/Mas/97) Ante dated to 12th Dec. 95.

183849
Patent No. (2416/Mas/98) Ante dated to 17th June 98.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate alongwith evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

The Classification given below in respect of each specification are according to Indian Classification and International Classification Systems.

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि संबद्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विहित प्ररूप 4 पर अगर वांछित हो, एक महीने की अवधि से अधिक न हो, के भीतर कभी भी निर्बंधक एकस्व को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्ररूप 7 पर दे सकते हैं । विरोध संबंधी लिखित वक्तव्य दो प्रतियों में साक्ष्य के साथ, यदि कोई हो, उक्त सूचना के साथ या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम 36 के तहत यथाविहित उक्त सूचना की तिथि से 60 दिन के भीतर फाईल कर दिए जाने चाहिए ।

प्रत्येक विनिर्देश के संदर्भ में नीचे दिये वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं ।]

विनिर्देश तथा चित्र आरेख, यदि कोई हो, की अंकित प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित 30/- रुपए प्रति की अदायगी पर की जा सकती है ।

ऐसी परिस्थिति में जब विनिर्देश की अंकित प्रति उपलब्ध नहीं हो, विनिर्देश तथा चित्र आरेख, यदि कोई हो, की फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित फोटोप्रति शुल्क उक्त दस्तावेज के 10 रुपये प्रति पृष्ठ धन 30/- रुपये की अदायगी पर की जा सकती है ।

Int. Cl. : H01L 49/02 183811

Ind. Cl : 14

A PROCESS FOR THE PREPARATION OF WIDE BANDGAP HYDROGENATED AMORPHOUS SILICON BUFFER LAYER FOR APPLICATION IN AMORPHOUS SILICON SOLAR CELLS.

Applicant : INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE, 2 & 3 RAJA S. C. MALLIK ROAD, JADAVPUR, CALCUTTA-700 032, WEST BENGAL, INDIA

Inventors :
1. PROF. ASHOK KUMAR BARUA
2. DR. PARTHA CHAUDHURI
3. DR. SWATI RAY
4. MR. SUBHASH CHANDRA SAHA.

Application No. 788/Cal/94; filed on 27-9-94.

(Complete after Provisional left on 26-12-1995)

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) The Patent Office, Calcutta.

5 Claims

A process for the preparation of wide bandgap hydrogenated amorphous silicon (a-Si : H) buffer layer comprises of the following steps :

(i) subjecting a multichamber capacitive type plasma enhanced chemical vapor deposition (PECVD) unit to evacuation to a pressure to the order of 10^{-10} Torr;

(ii) injecting into the said unit hydrogen and silane in H_2/SiH_4 ratio between 5 and 70 at a chamber pressure which varies from 0.5 to 1.5 Torr and at a substrate temperature between 80 and 250°C; and

(iii) applying 13.56 MHz rf (radio frequency) with low power density between the capacitor plates of the said PECVD units.

(Prov. Specn. 7 Pages; Drgns. 1 Sheet)
(Compl. Specn. 12 Pages; Drgns. 05 Sheets)

Ind. Cl : 5 D 3(1) 183812

Int. Cl : E 01 C 19/23

A HYDRAULICALLY DRIVEN ROAD ROLLER.

Applicant : SVEDALA COMPACTION EQUIPMENT AKTIEBOLAG OF BOX 504, 371 23 KARLSKRONA, SWEDEN.

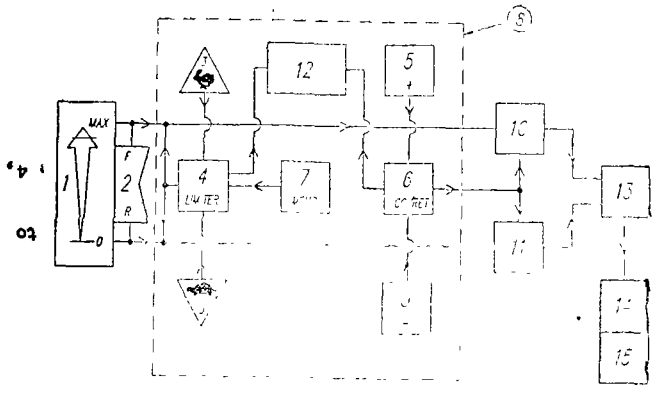
Inventor : SAMUELSSON SVEN ERIK

Application No. 510/Cal/95; filed on 8-5-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A hydraulically driven road roller, primarily for compacting bitumen, said roller having an operating lever (1), a forward/reverse positioning switch (2) integrated into the handle of the operating lever for selecting the driven direction of the lever, and a control panel (8) housing push buttons (3, 4, 5, 6 ,7) for controlling and adjusting various functions of the operating lever (1) wherein one of the push buttons (4), being a control switch, has two positions, ON and OFF, the ON position permitting setting of the driven speed with two other of sad push buttons (3), one being for increasing speed and the other being for reducing speed, while another said push button (7), called MEMO button, being for storing in a memory the speed so set, and one other of said push buttons (6) is for setting a rate for roller acceleration or retardation, whereby an increase or decrease in aceleration/retardation is capable of being made with two buttons (5+ aad 5—), the rates being shown on a display (12), said push button-cum-control switch (4) causing in its ON position, the programmed driving speed of the roller to be achieved in the event of the operating lever (1) being fully deflected, and in its OFF position the said control switch (4) enabling the roller operator to drive the roller up to its maximum speed without being affected by programmed rates, the arrangement being such that said operating lever (1), via said control (8), is adapted to electrically act on hydraulic valves (10, 11, 13) controlling a servo (14) which acts on a hydraulic pump (15) for driving the road roller's propulsion motors as controlled by the said push buttons of the control panel.



(Compl. Specn. 11 Pages; Drgns. 3 Sheets)

Ind. Cl. : 40 B, 40 H, 183813

Int. Cl.[4] : Bol J - 23/56, 23/64, 23/89
Bol D - 53/34, 53/36.

A PROCESS FOR THE PREPARATION OF A CATALYST FOR TREATING A GAS STREAM.

Applicant : ENGELHARD CORPORATION, 101 WOOD AVENUE, ISELIN, NEW JERSEY 08830, U.S.A.

Inventors :
1. JAMES M. CHEN
2. PASCALINE NGUYEN.

Application No. 741/Cal/95 filed on 30-6-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

5 Claims

A proces sfor the preparation of a catalyst for treating a gas stream which containing compounds selected from the group consisting of halogenated organic compounds, non-halogenated organic compounds carbon monoxide and mixtures thereof said process comprising the steps of mixing solutions of a zirconium oxide precursor such as herein described with at least one compound selected from the group consisting of manganese oxide precursor cerium oxide precursor or cobalt oxide precursor such as herein described adding a base such as ammonium hydroxide to obtain a pH of 8-9 filtering the precipitate washing at 120 to 150°C and calcining the mixture at a temperature of 450 to 500°C and dispersing thereon at least one platinum group metal by methods known in the art.

(Compl. Specn. 23 Pages; Drgns. Nil)

Ind. Cl. : 32 F 2(b) 183814

Int. Cl.[4] : C 07 D - 213/73, 213/74, 215/38.

AN IMPROVED CHICHIBABIN AMINATION PROCESS FOR PREPARING AMINOPYRIDINE PRODUCT.

Applicant : RELLY INDUSTRIES, INC. A CORPORATION OF THE STATE OF INDIANA OF 1510 MARKET SQUARE CENTER, 151 NORTH DELAWARE, INDIANAPOLIS, INDIANA 46204, U.S.A.

Inventors :
1. PHILLIPA B. LAWIN
2. ANGELA R. SHERMAN
3. MARTIN P. GRENDZE.

Application No. 744/Cal/95; filed on 30-6-95.

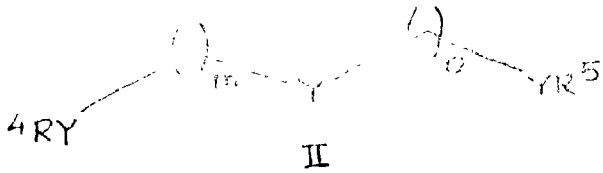
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims

An improved Chichibabin amination process for preparing aminopyridine product which comprises :

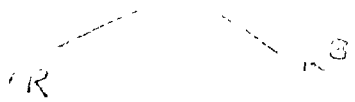
reacting by heating at a temperature between about 100°C and about 250°C a reaction mixture containing an organic solvent, a substituted or unsubstituted pyridine base such as a 3-lower alkyl-pyridine, a quinoline or an isoquinoline sodamide and an organic additive compound which increases the rate of said reaction and is selected from and encompassed by the formula :

wherein X is S, O, NR^3, or CO_2 wherein R^1, R^2 and R^3 are H, alkyl, aryl, or aralkyl, and n is 0 to about 12;



II

wherein Y is O, S, or NR^6, R^4, R^5 and R^6 are H, alkyl, aryl, or aralkyl, and m and O are 1 to about 12;



III

wherein Z is C or S, A is 0 or NR^9, and R^7, R^8 and R^9 are H, alkyl, aryl or aralkyl;

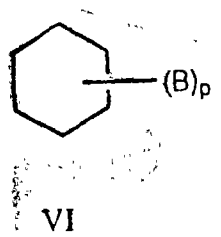
$^{10}R—B$

IV

wherein B is OR^{11}, CR^{11}, NR^{12}, R^{13}, SR^{14}, CO_2R^{15}, NO_2 or CN, R^{10} is alkyl, and R^{11}, R^{12}, R^{13}, R^{14} and R^{15} are H, alkyl, aryl or aralkyl;

V

wherein G is $—OR^{16}$ $—ROR^{17}$ or $NR^{22}R^{23}$ wherein R^{16} and R^{17} are H or alkyl and R, R^{22} and R^{23} are alkyl;



VI

wherein B is as defined above and p is 1 to 4;

wherein B is as defi bove and p is 1 to 5; or

a cyclic ether or single electron transfer agent as herein described so as to aminate said base, wherein said reaction is conducted at superatmospheric pressure of at least 50 psig with a partial pressure of ammonia of at least 5psig optionally when said additive is hydroxyalkylamine having the formula (R^{18}) (R^{19}) N-R^{20} wherein R^{18} and R^{19} are-H, lower alkyl or lower hydroxyalkyl and R^{20} is lower hydroxyalkyl; and

said process comprises hydrolyzing the reacted mixture to produce 2-amino-5-alkylpyridine.

(Compl. Specn. 41 Pages; Drgns. Nil)

Ind Cl. : 32 F 4 183815
Int. Cl^1 : C 12 P 17/00.

PROCESS FOR DEMETHYLATING S-METHYL-MERCAPTO COMPOUNDS.

Applicant : QUEST INTERNATIONAL B. V. HUIZERSTRAATWEG 28, 1411 GP NAARDEN, THE NETHERLANDS.

Inventors :
1. THEO ADRIAAN HANSEN
2. MICHAEL JANSEN &
3. MARC JOS E. C. VAN DER MAAREL.

Application No. 823/Cal/95; filed on 19-7-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

Process for preparing a mercap to compound characterized in that it comprises the step of demethylating an S-metlyl-mercapto compound according to general formula I, wherein R denotes an alkyl radical derived from an alkanecarboxylic acid or derivative thereof, to the corresponding mercapto compound of general formula II,

CH_3 S-R HS-R
I II

in the presence of at least one of, a methanogenic archaea microoganism and a microogranism culture/enzyme such as herein described.

(Compl. Specn. 14 Pages; Drgns. Nil)

Ind. Cl. : 146 D 1 813816
Int. Cl. : H 015 3/10.

LASER BEAM MODULATION APPARATUS.

Applicant : DAEWOO ELECTRONICS CO. LTD. 541, 5-GA, NAMDAEMOON-RO JUNG-GU, SEOUL, REPUBLIC OF KOREA.

Inventor : KIM JUNG-GYU.

Application No. 1060/Cal/95; filed on 5-9-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

A laser beam modulation apparatus for controlling a laser beam wherein the laser beam is controlled by on-time and off-time intervals of a data modulated signal to be recorded on a rewritable optical disk, wherein the apparatus comprises :

a pulse modulation prohibition window signal generator 30 for generating a pulse modulation prohibition window signal PMPW having a first window pulse width of a fixed time period to synchronization with each of positive directional transitions of the data modulated signal;

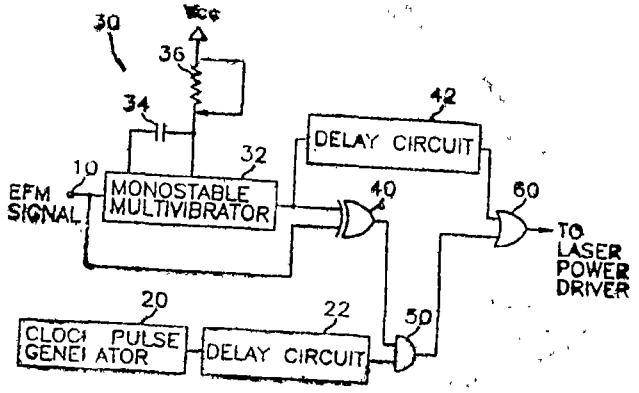
a pulse modulation permission window signal generator 40 for logically combining the pulse modulation prohibition window signal PMPW and the data modulated signal during the on-time interval by using an exclusive OR gate to thereby produce a pulse modulation permission window signal PMW having a second window pulse width;

a clock pulse generator a clock pulse CL having a predetermined period:

a pulse modulation signal generator 50 for performing a logical multiplication on the clock pulse CI and the pulse modulation permission window signal PMW to produce a pulse modulated signal PM; and

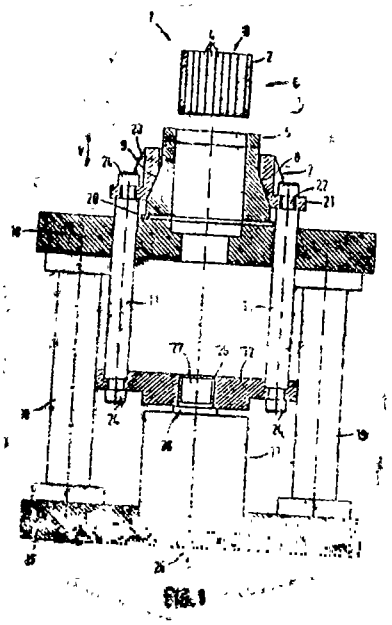
a laser beam control signal generator 60 for performing a logical addition of the pulse modulated signal PM and the pulse modulation prohibition window signal PMPW to produce a laser beam control signal.

FIG. 1



(Compl. Specn. 11 Pages; Drgns. 2 Sheets)

— that an actuating device (10) connected to the closing element (7) is provided.



(Compl. Specn. 23 Pages; Drgns. 3 Sheets)

Int .Cl.[1] : F 01 N 3/28. 186817

Ind. Cl. : 40 F

METHOD AND APPARATUS FOR PRODUCING A HONEY COMB BODY IN PARTICULAR A CATALYST CARRIER BODY, WITH A HOUSING.

Applicant : EMITEC GESELLSCHAFT FUR EMISSIONS-TECHNOLOGY MBH OF HAUPSTTRASSE 150, 53797 LOHMAR, GERMANY.

Inventors :

1. GOTTERIED W. HAESEMANN
2. LUTZ GUTHKE
3. LUDWIG WIERES.

Application No. 1223/Cal/95; filed on 11-8-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

29 Claims

An apparatus for producing a honeycomb body (3) having jacket tube (2), which apparatus includes a plurality of radially displaceable segments (5) by means of which the jacket tube (2) is deformable, characterised in that the segment (5) each have a sliding face (9) of wedge-like cross section,

— that at least one annular, axially displaceable closing element (7) that surrounds the segments (5) is provided, which element has at least one obliquely embodied face (8),

— that the face (8) slides on the sliding face (9), and

Int Cl.[4] : H 01 P 1/215. 183816

Ind. Cl. : 206 B.

MAGNETOSTATIC WAVE DEVICE HAVING DISK SHAPE.

Applicant : MURATA MANUFACTURING CO. LTD., A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF JAPAN, OF 26-10, TENJIN 2-CHOME, NAGA-OKAKYO-SHI, KYOTO-FU, JAPAN.

Inventors :

1. TAKEKAZU OKADA
2. SATORU SHINMURA &
3. FUMIO KANHYA.

Application No. 1472/Cal/95; filed on 17-11-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

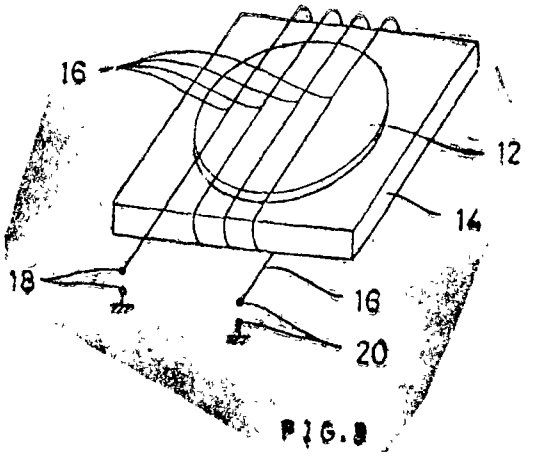
A magnetostatic wave device comprising :

a ferrimagnetic base (12);

at least a first transducer (16, 16a) having at least one portion arranged on one surface side of said ferrimagnetic base and at least one another portion arranged on the other surface side of said ferrimagnetic base;

an input terminal (18) having one end connected to one end of said transducer (16); and

an output terminal (20) having one end connected to the other end of said transducer (16).



(Compl. Specn. 30 Pages; Drgns. 19 Sheets)

Int. Cl.[4] : C 0 8 L 13/02 183819

Ind. Cl. : 152 F

PROCESSING AID COMPOSITION.

Applicant : E. I. DU PONT DE NEMOURS & COMPANY MANUFACTURERS OF WILMINGTON, DELAWARE, U. S.A.

Inventors :

DONNAN EDWIN PRIESTER.
CHARLES WINFIELD STEWART.

Application No. 2181/Cal/97; filed on 1911-97.

(Divided out of No. 133/Cal/95 Ante dated to 10-2-1995).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

07 Claims

Processing aid composition comprising fluoropolymer processing aid and polar-side-group-containing extrusion adjuvant both of the kind such herein described, wherein the ratio of polar-side-group containing extrusion adjuvant to fluoropolymer processing aid is in the range of 30/70 to 95/5 by weight.

Compl. Specn. 19 Pages; Drgns. Nil.

Int. Cl.[4] : A 61 K 31/00. C 07 C 233/00, 231/00 183820

Ind. Cl. : 55 E4

A PROCESS FOR THE PREPARATION OF DERIVATIVE OF ACYL PIPERAZINYL PYRIMIDINE.

Applicant : LABORATORIOS DEL DR. ESTEVE, S. A., A JOINT STOCK COMPANY ORGANISED UNDER THE LAWS OF SPAIN, OF AVENIDA MARE DE DEU DE MONTSERRAT, 221, 08041, BARCELONA, SPAIN.

Inventors :

JORDI CORBERA, ARIJONA.
DAVID VANO, DOMENECH.
JORDI FRIGOLA, CONSTANSA.

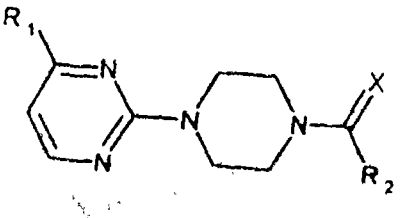
Application No. 1272/Cal/98: filed on 21-7-98.

(Convention No. 9701627 on 21-7-97 in Spain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

02 Claims

1. A process for the preparation of a derivative of acyl piperazinyl pyrimidine of general formula (I), and ist physiologically acceptable salt,



(I)

wherein,

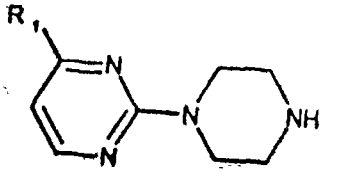
X is an oxygen or sulphur atom;

R_1 is a C_{1-4} alkoxy or trifluoromethyl radical;

R_2 is a C_{1-6} alkoxy radical; C_{3-6} saturated cycloalkyl;

heterocycloalkyl consisting of a ring of 3 to 6 atoms in which the heteroatom is selected from an atom of oxygen, sulphur or nitrogen, optionally N- substituted; phenyl optionally substituted with 1, 2 or 3 identical or different substituents selected from florine, chlorine, bromine, amino, acetamido, nitro, methyl, trifluoromethyl and methoxy, arylalkyl consisting of a C_{1-3} alkyl group substituted by a phenyl radical optionally substituted by 1, 2 or 3 identical or different substituents selected from fluorine, chlorine, bromo, amino, acetamido, nitro, methyl, trifluoromethyl and methoxy, heteroaryl consisting of a 5 or 6 membered heteroatom ring, optionally substituted or of fused heteraromatic systems optionally substituted, of 9 or 10 atoms consisting of 1 or 2 heteroatoms selected from oxygen, sulphur and nitrogen,

selecting the aforementioned substituents from fluorine, chlorine, bromine, amino, acetamido, intro, methyl, trifluoromethyl and methoxy; and heteroarylalkyl consisting of an alkyl group of 1 to 3 carbon atoms substituted with a heteroaryl radical consisting of a 5 or 6 member heteroaromatic ring, optionally substituted, or of fused 9 to 10 member heteroaromatic systems, optionally substituted with 1 or 2 heteroatoms selected from oxygen, sulphur and nitrogen, selected the aforementioned substituents from fluorine chlorine, bromine, amino, acetamido, nitro, methyl, trfluoromethyl and methoxy; and heir physiologically acceptable salts, which comprise reacting an amine of formula (V) :



(V)

with a compound R_2 COY of formula (VII) wherein R_1 and R_2 are as hereinbefore defined and Y is selected from a group comprising of a hydroxyl group, a halogen atom, an azide group ($-N_3$), a 1- imidazolyl group, an O-CO-R_4 group, where R_4 stands for an alkyl radical with between 1 and 6 carbon atmos or an aryl radical, preferably sustituted with one or more halogen atoms, or an OR_5 groups where R_5 is an aromatic group with one or two rings, substituted by one or more halogen atoms or nitro radicals, or N-succinimide; in an organic solvent, such as herein described, in the presence of a mineral or organic base, such as herein described,

at a temperature between the room temperature and the boiling point of the solvent for a period of time between ten minutes and twenty four hours;

and optionally reacting the said compound of general formula (I), so produced, in which X is an oxygen atom, with,

(a) Lawesson's reagent (2, 4-bis (4-methoxyphenyl)-1, 3, 2, 4-dithiadiphosphethano-2, 4-disulphide, or with phosphorus pentasulphile to obtain the corresponding thioamide of compound of formula (I) in which X is a sulphur atom;
or with,

(b) a mineral acid or an organic acid in an appropriate solvent to obtain the physiologically acceptable salt of compound of formula (I).

Compl. Specn. 44 Pages; Drgns. 1 Sheet.

Ind. Cl. : 182 A + D 183821

Int. Cl.[4] : C 13F 1/00

A PROCESS FOR PRODUCING SUGAR.

Applicant : UNION NATIONALE DES GROUPMENTS DE DISTILLATEURS D' ALCOOL (U.N.G.D.A.) 10 RUE BARBETTE-75003 PARIS/FRANCE.

Inventor(s) : MICHEL DE MINIAC, FRANCE.

Application for Patent No. 1246/Del/93 filed on 05-11-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

4 Claims

A process for producing sugar which comprises :—

— extracting sugar from the feedstock by any known manner;

— purifying by any known manner said extracted sugar to produce a clear juice;

— concentrating said clear juice into a syrup; and

— crystallising sugar from the said syrup;

— characterised in that :

0.5 to 3.0 ppm of a polyether inophore such as herein described is added to the feedstock during extraction to control or suppress the undesirable proliferation of gram positive bacteria in sugar production.

(Compl. Specn. 14 Pages; Drgns. Sheet 1)

Ind. Cl. : 55 E 4. 183822

Int. Cl[4]. : A 61 K 35/78.

A PROCESS FOR THE ISOLATION OF POLYSACCHARIDE FRACTION FROM PICRORHIZA HAVING MEAN MOL. MASS OF 12000 POSSESSING SIGNIFICANT IMMUNOMODULATORY AND ANTI-COMPLIMENTARY PROPERTIES, DEVOID OF CUCURBITACINES, IRIDOIDS AND THEIR GLYCOSDES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA (AN INDIAN REGISTERED BODY, INCORPORATED UNDER REGISTRATION OF SOCIETIES ACT, XXI OF 1860).

Inventor (s) :

1.NARESH KUMAR SATTI, INDIAN
2. KRISHAN AVTAR SURI, INDIAN
3. OM PARKASH SURI, INDIAN
4. ARUN KAPIL, INDIAN AND
5. RANDHIR SINGH KAPIL, INDIAN.

Application for Patent No. 990/Del/94 filed on 04th Aug. 1994.

Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

8 Claims

A process for the isolation of a novel polysaccharide fraction, from picrorhizakurroa, having mean mol. mass of 12,000, possessing significant immunomodulatory and anti-complimentary properties, devoid of cucurbitacines, iridois and their glycosides which comprises :

(i) powdering any part of the plant picrorhiza kurroa by conventional methods.

(ii) Extracting the said powdered part of the plant of picrorhiza kurroa with different polar orgagnic solvents in the order of increasing polarity such as here in described to produce marc.

(iii) Extracting the mare with dilut, aqueous alkali.

(iv) Adding the aqueous alkaline extract to a polar organic solvent having 1-4 carbon atoms to yield precipitate.

(v) Dissolving the precipitate thus formed in step (iii) in minimum quantity of domineralized water and treating the clarified aqueous solution by known methods such as herein described to remove proteinous materials by precipitation.

(vi) Adding the supernatant liqui to polar organic solvent having 1-4 carbon atoms to precipitate polysaccharide fraction recovering the said precipitated polysaccharide fraction by conventional method such as herein described.

(Compl. Specn. 9 Pages; Drng Sheet Nil)

Ind. Cl. : 60 X (2a). 183823

Int. Cl.[4] : A 61 K, 31/00.

A PROCESS FOR PREPARING DORAMECTIN.

Applicant : PFIZER INC, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 235 EAST 42ND STREET, NEW YORK, STAE OF NEW YORK, UNITED STATES O FAMERICA.

Inventors :

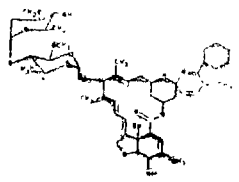
1. THOMAS CHARLES CRAWFORD, U.S.
2. NEIL DEMERS, U.S.
3. CHARLES WILLIAN MURTIASHAW, U.S.
4. CONSTANTINE SKLAVOUNOS, U.S. AND
5. STEPHEN PAUL BIBSON, UK.

Application for Patent No. 1173/Del/1994 filed on 21st September 1994.

Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

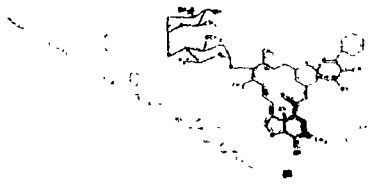
5 Claims

A process for preparing doramectin of the formula (I) :

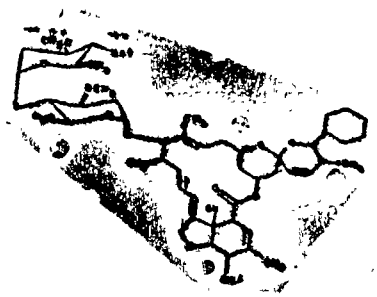


comprising the consecutive steps of :

(a) reacting a compound of the formula (II) :



with an acylating agent of the formula $(R^4CO)_2O$ or R^4COX wherein R^4 is (C_1-C_4) alkyl and X is Cl or Br in a reaction inert solvent in the presence of a proton scavenger selected from pyridine, 4-dimethylaminopyridine, piperidine, pyrrolidine, triethylamine, morpholine and dissopropylethylamine, at a temperature of —75°C to 0°C for 5 minutes to 8 hours to form a compound of formula (III) :



wherein R^1 is (C_1—C_4) alkanoyl and R^2 is hydrogen :

(b) reacting said compound of formula (III) wherein R^1 is (C_1-C_4) alkanoyl and R^2 is hydrogen with a compound of the formula $R^3OC(=S)X$ wherein R^3 is aryl and X is Cl or Br in a reaction inert solvent in the presence of a proton scavenger selected from pyridine or 4-dimethylaminopyridine at 40°C to the refluxing temperature of the reaction inert solvent for 30 minutes to 12 hours to form a compound of formula (III) wherein R^1 is aryloxyacetyl and R^2 aryloxythiocarbonyl;

(c) reacting said compound of formula (III) wherein R^1 is (C_1-C_4) alkanoyl and R^2 is aryloxythiocarbonyl in a reaction inert solvent at from 150°C to 200°C for 2 hours to 48 hours in the presence of calcium carbonate under continuous reaction inert gas sparging to form a compound according to formula (IV) :

wherein R^1 is arloxyacetyl; and

(d) reacting said compound of formula (IV) wherein R^1 is (C_1-C_4) alkanoyl with a base in an alcohol solvent at -100°C to 0°C for 15 minutes to 24 hours form the compound of formula.

(Compl. Specn. 25 Pages; Drng. Sheet Nil)

Ind. Cl. : 32F$_3$(b). 183824

Int. Cl. : C.07D 249/16.

A PROCESS FOR THE PREPARATION OF 2H, 4H (1, 2, 4) TRIAZOLE (3, 4-C) (1, 4) BENZOXA (THIA) ZIN-1-ONES.

Applicant : INDIAN DRUGS & PHARMACEUTICALS LTD., IDPL COMPLE, DUNDAHERA, DELHI-GURGAON ROAD, GURGAON-122 016, INDIA AN INDIAN GOVERNMENT ORGANISATION.

Inventors :

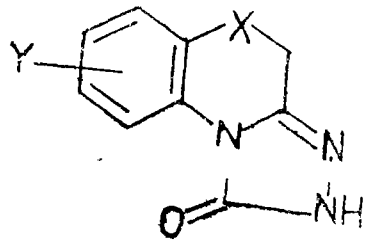
1. GARIMELLA KRISHNA ANJANEYA SUBRAMANYA SAMBHO NARAYAN (INDIA).
2. VENKATA SUBRAMANIAN HARIHARKRISHNAN (INDIA).
3. KOTHAKAPU VEMANA (INDIA).
3. CHEBOLU SRIKRISHNA ((INDIA) &
5. BARATULA ESWAR RAO (INDIA).

Application for Patent No. 1535/Del/94 filed on 28-11-1994.

Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

9 Claims

A process for the preparation of a triazole benzoxa (thia)-zines compounds of general formula 1



wherein X=S and Y represents hydrogen, hydroxy, straight or branched chains (C_1-C_5) alkoxy group, straight or branched chain (C_1-C_5) alkyl group, nitro or amino group optionally substituted in 6, 7, 8 and (or) 9 position comprising reacting 3 amino (1, 4) benzoxa (thia) zines with alkoxy carbonyl hydrazinyl such as herein described in an organic solvent containing 0.5 to 10 mole percent of a phase transfer catalyst such as polyethylene glycol in the presence of a inorganic base such as herein described at 50—110°C to obtain the compound of general formula 1.

(Compl. Specn. 11 Pages; Drng. 1 Sheet)

Ind. Cl. : 32C. 183825

Int. Cl.[4] : C07D-211/00, 213/00, 215/00, 217/00, 219/00 & 221/00.

PROCESS FOR THE PREPARATION OF CHLOROPYRIDINIUM CHLORIDES.

Applicant : BAYER AKTIENGESELLSCHAFT, A BODY CORPORATE ORGANISED UNDER THE LAWS OF GERMANY, OF D-51368 LEVERKUSEN, GERMANY.

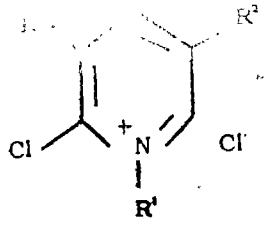
Inventors :
1. REINHARD LANTZSCH
2. KLAUS JELICH
3. CARL CASSER
4. CHRISTOPH MANNHEIMS AND
5. KNUD LAWRENZ, GERMANY.

Application for Patent No. 1631/Del/94 filed on 16th December. 94,

Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

2 Claims

A process for the preparation of chloropyridinium chlorides of the general formula (1);

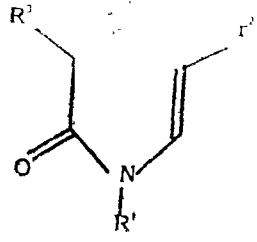


in which

R^1 represents in each case optionally substituted alkyl, alkenyl, alkinyl, cycloalkyl, cycloalkylalkyl, arylalkyl or heteroarylalkyl

R^2 represents optionally substituted alkyl, and

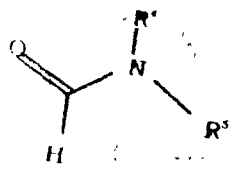
R^3 represents hydrogen, halogen or optionally substituted alkyl, characterized in that one or more enamides of the general formula (ii)



in which

R^1 R^2 and R^3 are as defined above.

are reacted with a chlorinating agent of the kind such as herein before described in the presence of formamide derivative of the general formula (iii) :



in which

R^4 and R^5 individually represents alkyl or cycloalkyl or together represent alkanediyl, and optionally in the present of a diluent of the kind such as herein before described at temperatures of between 30°C and + 100°C to obtain the corresponding chloropyridinium chlorides of formula 1.

(Compl. Speen. 19 Pages; Drgn. Nil Sheet)

Ind. Cl. : 32F$_9$(a)' 60xd. 183826

Int. Cl.[4] : C07J 5/00, A61K 31/00.

AN IMPROVED PROCESS FOR THE PREPARATION OF 16-DEHYDROPREGNENOLONE ACETATE (16DPA).

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT, (ACT XXI OF 1860).

Inventors :
1. PRITISH KUMAR CHOUDHURY, INDIAN
2. MANOBJYOTI BORODOLOI, INDIAN
3. NABIN CHANDRA BARUA, INDIAN
4. HERAMBA PRASAD SARMAH, INDIAN
5. PRADIP KUMAR GOSWAMI, INDIAN
6. RAM PRAKASH SHARMA, INDIAN
7. AJOY PRATAP BARUAH, INDIAN
8. RAJ KUMAR MATHUR, INDIAN
9. ANIL CHANDRA GHOSH, INDIAN.

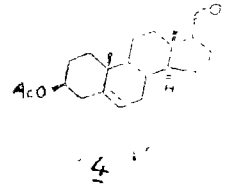
Kind of Application : Complete.

Application for Patent No. 1645/Del/1994 filed on 21-12-94.

Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

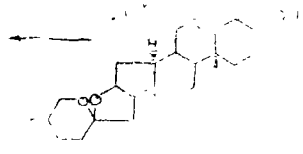
10 Claims

An improved process for the production of 16-dehydropregnenolone (16DPA) of the formula 4

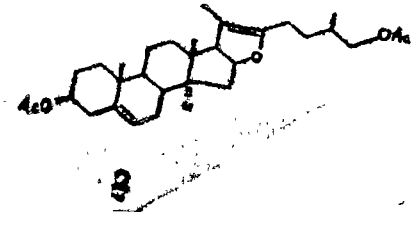


4

which comprises : (a) Acetolysing liosgenin of the formula 1

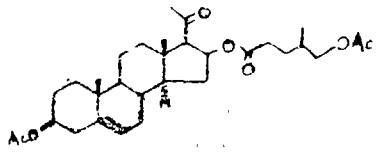


by heating in a pressure reactor in the presence of an acetylating agent and a non polar solvent maintaining the pressure the reactor in the range of 4-7Kg/cm^2 and at a temperature in the range of 200—250°C to produce pseudoliosgenin diacetate of the formula 2(b)



2

oxidizing the so obtained pseudodiosgenin diacetate of the formula 2 by conventional methods to obtain diosone of the formula 3



3

and (c) hydrolysis and degration of the diosone of the formula 3 so obtained by conventional methods to produce 16-Dehydro-pregnenolone acetate.

Agent : Council of Scientific & Industrial Research.

(Compl. Specn. 20 Pages; Drng. 1 Sheet)

Ind. Cl. : 83 A 1 183827

Int. Cl.[4] : A 23L 1/00.

A PROCESS FOR THE PREPARATION OF ENTERAL FOOD.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, (INDIAN), AN INDIAN REGISTERED BODY, INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT, (XXI OF 1860).

Inventors :

1. NAGAPPA GURUSIDDAPPA MALLESHI, INDIAN.
2. MEERA CHAKRAVARTY, INDIAN.

Kind of Specification : Complete.

Application for Patent No. 1724/Del/94 filed on 30-12-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

14 Claims

A process for the preparation of enteral food which comprises, soaking barley, paddy and legumes in water separately for a period in the range of a 8—24 hr, germinating the said soaked barley, paddy and legumes separately in moist condition for a period in the range of 1—5 days, drying the sprouted barley, paddy and legumes separately, removing tht sprouts/rootlets by known methods, kilning the resultant green malt from barley, paddy at temperature in the range of 40—70°C and legumes in the range of 70—80°C for a period of 14—45 min, milling and pulverising the kilned barley, paddy and legume malts separately to obtain barley, rice and legume malt flours separately and blending them in a manner to prepare a basic blend to provide 12—18% protein and 50—65% carbohydrates per 100 g of dry blend, adding lipids from vegetable and animal origin to provide 5—8% essential fatty acids, 5 to 10% defatted soya flour and then supplementing the said blend with 5 to 10 wt% milk powder and 5 to 20% egg powder to derive 50—70% calories from carbohydrates, 10—20% calories from protein and 20—30% calories from fat, further fortifying the food with 0.1-1% conventional vitamins, 1-3% minerals and conditionally essential nutrients of food of pharmaceutical grade to obtain a homogenous food.

(Compl. Specn. 26 Pages; Drng. Sheet Nil)

Ind. Cl. : 55 E4 32(6) 183828

Int. Cl.[4] : A 61 K 37/48, C 12 N 9/70.

AN IMPROVED PROCESS FOR THE SIMULTANEOUS PREPARATION OF EXTRACELLULAR STREPTOKINASE AND ITS ANALOGUES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA.

Inventors :

1. KANAK LATA DIKSHIT, INDIAN
2. VINAY VENKATRAO VYAS PRATAP, INDIAN
3. DEEPAK NIHALANI, INDIAN
4. GIRISH SAHNI, INDIAN.

Application for Patent No. 1727/Del/94 filed on 30-12-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

3 Claims

An improved process for the simultaneous preparation of extracellular Streptokinase and its analogues which comprises growing recombinant E. coli of the kind as herein described in a conventional fermentation medium under stirring and supplemented with aeration, separating the cells from supernatant by known methods followed by recovering and purifying Streptokinase and its analogues from supernant by methods as herein described.

(Compl .Specn. 117 Pages; Drngs. 3 Sheets)

Ind. Cl. : 55 E4 183829

Int. Cl.[4] : A 61 K 31/00.

A PROCESS FOR PREPARING N-HYDROXY UREAS.

Applicant : PFIZER INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors :

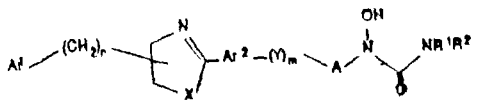
1. AKEMI ANDO, JAPAN.
2. RODNEY WILLIAM STEVENS, JAPAN.

Application for Patent No. 539/Del/1995 filed on 24-3-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

2 Claims

A process for preparing N-Hydroxy ureas of the formula :—



(I)

or a salt hereof, wherein

A is C_1-C_4 alkylene, CH(R), CH(R)CH_2 or CH(R)CH_2 CH_2 in which R is methyl or ethyl;

m and n are each zero or one;

R^1 and R^2 are each hydrogen, C_1-C_4 alkyl or C_2-C_6 alkenyl;

X is selected from a group consisting of O and S;

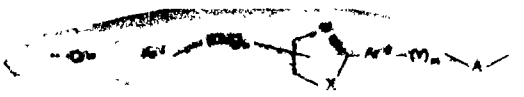
Y is selected from a group consisting of O, S CH=CH and C=C;

Ar^1 is phenyl or phenyl mono-substituted with halogen, C_1-C_4 alkyl, C_1-C_4 alkoxy, C_1-C_4 halo-substituted alkyl or C_1-C_4 halo-substituted alkoxy; and

Ar^2 is phenylene, pyridylene or phenylene mono-or di-substituted with halogen, C_1-C_4 alkyl, C_1-C_4 halo-substituted alkyl or C_1-C_4 halo-substituted alkoxy;

said process comprising;

reacting a hydroxylamine of the formula Q-NH-OH (II) with a trialkylsilyl isocyanate, such as trimethylsilyl isocyanate, or an alkyl or alkenyl isocyanate of the formula R^6-N=C=O, in a reaction-inert solvent of the kind such as herein described: wherein Q is



and R^6 is C_1-C_4 alkyl or C_2-C_6 alkenyl.

(Compl. Specn. 49 pages Drwgs sheet nil)

Ind. Cl.: $32F_{9(11)}$ 183830

Int. Cl.[4] : C07D 473/00.

A PROCESS FOR THE PREPARATION OF COMPOUND FAMCICLOVIR.

Applicant: SMITHKLINE BEECHAM P.L.C., A BRITISH COMPANY OF NEW HORIZONS COURT, BRENTFORD, MIDDLESEX TW8 9EP, ENGLAND.

Inventor : JOHN ROBERT MANSSFIELD DALES (ENGLAND).

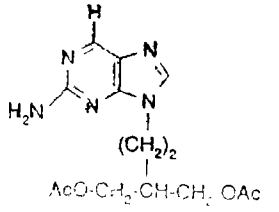
Application for Patent No. 705/Del/95 filed on 18-4-95.

Convention application date 19-4-94/9407698.1/(U.K.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

3 Claims

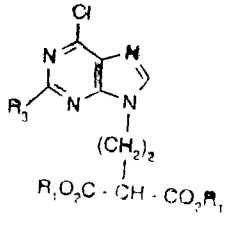
A process for the preparation of famciclovir, having the structure:



(I)

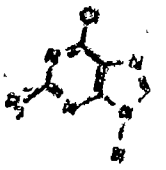
which process comprises:

(i) the preparation of a compound of formula (1):

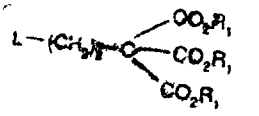


(I)

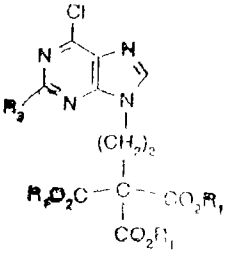
wherein R_1 is C_1-C_6 alkyl or phenyl C_1-C_6 alkyl in which the phenyl group is optionally substituted; and R_3 is an amine group or a protected amine group, which preparation comprises the reaction of a compound of formula (II):



wherein R_3 is as defined for formula (1) with a compound of formula (V):



wherein L is a leaving group and R_1 is as defined for formula (1), to give a compound of formula (VI):



and thereafter converting the intermediate compound of formula (VI) to a compound of formula (1) via decarboxylation; and

(ii) the conversion of the resulting compound of formula (1) to a compound of formula (A) by:

(a) deprotecting variable R_3 when it is an amine protecting group;

(b) reduing the easter groups CO_2R_1 to CH_2OH and forming acetyl derivatives thereof; and

(c) converting the 6-Cl substituent in the compound of formula (1) to a 6-H susbtituent.

(Compl. Specn. 12 pages Drwgs Nil Sheet)

Ind. Cl. : 140A, 183831

Int. Cl.[4] : C10M 145/10.

AN ADDITIVE COMPOSITION CAPABLE OF IMPROVING AT LEAST THE LOW TEMPERATURE FLOW PROPERTIES OF A LUBRICATING OIL COMPOSITION.

Applicant : EXXON CHEMICAL PATENTS INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE UNITED STATES OF AMERICA OF 1900 EAST LINDEN AVENUE, LINDEN, NEW JERSEY 07036, UNITED STATES OF AMERICA.

Inventors :

1. ALBERT ROSS (BRAZIL)
2. ROBERT DRYDEN TACK (BRAZIL)
3. KENNETH LEWTAS (BRAZIL)
4. JOSE ALVES (BRAZIL).

Application for Patent No. 416/Del/91 filed on 14-5-91.

Divided out of Patent application No. 413/88 dated 10-5-88.

Ante dated to 10-5-88.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005

19 Claims

An additive composition capable of improving at least the low temperature flow properties of a lubricating oil composition containing a Viscosity Index Improver of the kind such as herein described, comprising, as a first component at least one low molecular weight polymer or interpolymer of unsaturated carboxy ester having the formula I as shown in the accompanying drawings wherein R' is selected from the group consisting of hydrogen and COOR and wherein R is a C_{14} alkyl group, and as a second component at least one lubricating oil flow improver comprising low molecular weight non-ethylene containing polymer or interpolymer containing pendent ester groups, and characterized by the presence within its structure of side chains of repeating methylene units derived from a mixture of alcohols, the weight ratio of said second component to said first component being in the range of from 1:03 to 1:0.9.

(Compl. Specn. 52 Pages; Drng. 1 Sheet)

Ind. Cl. : 136A. 183832

Int. Cl.[4] : B 29 C, 33/00, 41/38, 43/04, 43/46, 45/04, 45/26 & 49/48.

BLOW MOLDING PROCESS FOR PRODUCING A ONE PIECE PLASTIC CONTAINER.

Inventor : MARTIN HARRY BECK (USA).

Applicant : DEVTECH, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW HAMPSHIRE, UNITED STATES OF AMERICA, OF 316 BABOOSIC LAKE ROAD, MERRIMECH, NEW HAMPSHIRE 03054, UNITED STATES OF AMERICA.

Application for Patent No. 448/Del/91 filed on 23-5-91.

Divided out of Patent Application No. 456/Del/88 dated 23-5-88.

Ante dated to 23-5-88.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

5 Claims

A blow molding process for producing a one piece plastic container by expanding an elognated preform containing the plastic material for the neck, body and base of the contanier into a blow mold cavity, for forming the container of the champagne base variety having an annular peripheral chime surrounding an inwardly slopping base portion wherein the container is resistant to inversion of the base from internal pressure, the process comprising the steps of :

(a) forming a preform on a core rod in an injection mold cavity, the preform having an axial length less than the distance from the top to the bottom of the blow mold cavity and having a body-forming portion of constant thickness material along the length thereof for forming constant thickness sidewalls of the container & having a thicker base forming portion such that during blowing of the preform, the material of the base forming portion is blown to form the inwardly sloping base portoin of a thickness sufficient to resist self deformation and to form the annular peripheral chime having a moment arm therearound tending to create an integral reinforcing hoop within the chime sufficient for preventing inversion of the inwardly sloping base portion by preventing unrolling and radial stretching of the chime :

(b) forming an annular contacting surface on the inner surface of the preform which contacting surface extends between the body forming portion and the thicker base forming portion of the preform;

(c) positioning the preform within the blow mold cavity defining the finished container shape;

(d) inserting a stretch rod having a shoulder portion into the preform and contacting the shoulder portion of the stretch rod with the annular contacting surface of the preform;

(e) extending the stretch rod within the preform to move the bottom of the preform toward the bottom of the blow mold cavity to longitudinally stretch the material of the sidewall portion of the preform while minimizing stretching of the base forming portion such that the preform extends from the top to adjacent the bottom of the blow mold cavity; and

(f) injecting pressurized gas into the preform adjacent the neck of the preform whereby preform is radially stretched outwardly to fill the blow mold cavity and to form the container.

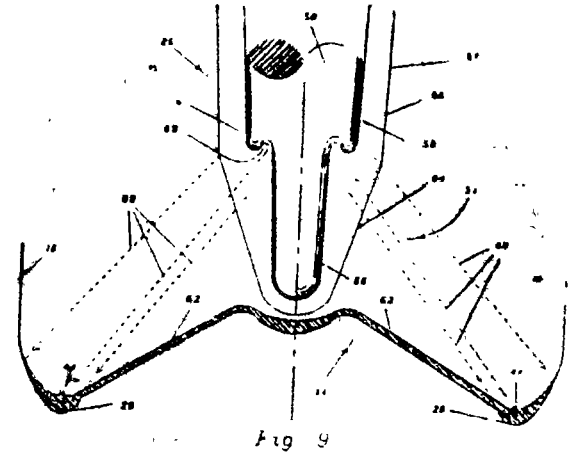


Fig 9

(Compl. Specn. 24 Pages; Drgns. 3 Sheets)

Ind. Cl. : 193 183833

Int. Cl.[4] : B 32 B 18/00, 31/00.

AN IMPROVED PROCESS FOR THE PREPARATION OF THIN SUPERCONDUCTING CERAMIC OXIDES FILM.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.

Inventors :

1. RAM PRATAP GUPTA, INDIA.
2. WAMAN SADASHIV KHOKLE INDIA.

Application for Patent No. 116/Del/92 filed on 12-2-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

An improved process for the preparation of thin superconducting ceramic oxdies film which comprises powdering the said superconducitng ceramic oxide by conventional methods and mixing the resultant powder throughly in an organic liquid having film forming characteristics and chemically non-reactive to the powder constituents, to obtain a solution slurry called spin-on source, spni coating the solution on to a substrate preferable of ceramic material annealing the coated substrate at a temperature in the range of 690—700°C for about 10 minutes in air, continuing further heating to 770°C, introducing helium gas at 770°C for 20 minutes and final heating in air in the temperature range of 875°C—950°C for 30 minutes, slowly cooling to room temperature to get film deposited on substrate.

(Compl. Specn. 7 Pages; Drgns. Nil Sheet)

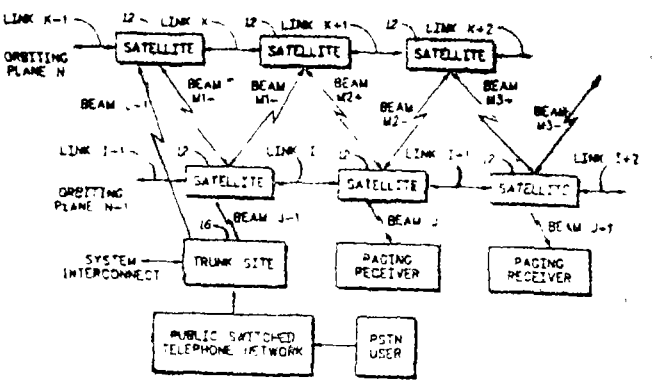


FIG.5

(Compl. Specn. : 38 Pages; Drwg. : 16 Sheets)

Ind. Cl. : 206 E 183834

Int. Cl.[4] : H 04, 1/38

"A SATELLITE COMMUNICATION APPARATUS".

Applicant : MOTOROLA INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 1303 EADY ALGONQUIN ROAD, SCHAUMBURG, ILLINOIS 60196, UNITED STATES OF AMERICA.

Inventor(s) : WALTER L. DAVIS-UNITED STATES AND PHILIP P. MACNAK--UNITED STATES.

Application for Patent No. 207/Del/92 filed on 9th March, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

6 Claims

A satellite communication apparatus (1110) providing geographic protocol conversion for message delivery between communication transceivers (1118, 1118) operating within at least two geographic areas (1116, 1116), said satellite communication apparatus (1110) comprising: a first communication transceiver (1118), providing two-way delivery of message within a first radiotelephone network (1114) which is located within at least a first geographic area (1116), the messages being encoded in a first predetermined message transmission protocol, said first communication transceiver (1118) operatively coupled to at least one communication satellite orbiting the earth to enable two-way delivery of messages with said communication satellite (1120), and in which the messages are also being encoded in the first predetermined message transmission protocol; wherein said communication satellite (1120), comprising a satellite transceiver (1312, 1328) which enables the two-way delivery of the messages encoded in the first predetermined message transmission protocol with said first communication transceiver (1118), a protocol converter (1318), coupled to said satellite transceiver (1312, 1328) for converting the messages which are received and encoded in the first predetermined message transmission protocol into messages encoded in a second predetermined message transmission protocol.

3—47 GI/2000

Ind. Cl. : 189 LVI (9) 183835

Int. Cl.[4] : A 45 D, 27/29

"SAFETY RAZOR".

Applicant : THE GILLETTE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF STATE OF DELAWARE, UNITED, STATES OF AMERICA, OF PRUDENTIAL TOWER BUILDING, BOSTON, MASSACHUSETTS 02199, UNITED STATES OF AMERICA.

Inventors :
BERNARD GILDER, GREAT BRITAIN AND
HENRY ERIC BULLEN, GREAT BRITAIN.

Application for Patent No. 245/Del/1992 filed on 18th March, 1992.

Convention Application No. 9106860.1/UK/02-04-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

A safety razor comprising a pair of tandem blade members ($9B_1$, $9B_2$, or $9B_1$ $9B_2$) having their sharpened cutting edges parallel with each other, characterised by the provision of a planar third skin engaging member (9B, 9C; 109B, 109C) having a skin engaging edge parallel with the sharpened cutting edge of the blade members, ($9B_1$, $9B_2$, or $9B_1$, $9B_2$) the said skin engaging edge having a tip radius of 0.5 to 50 microns and in that the said third skin engaging member (B2 or B3) is positioned rearwardly of the leading blade member (B1).

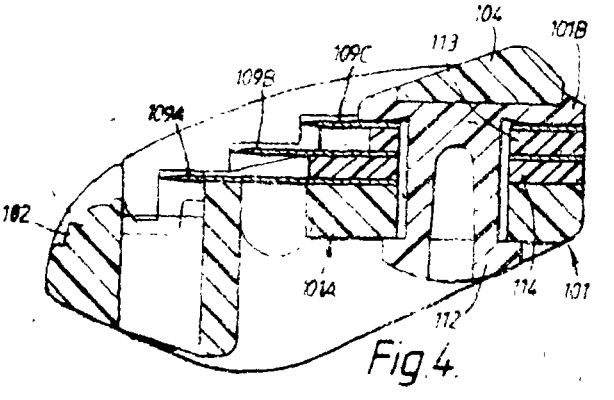


Fig.4

(Compl. Specn. 8 Pages; Drgns. Sheet 1)

Ind. Cl. : 40B 183836

Int. Cl.[4] : B01J 29/00

A METHOD OF MAKING A CATALYST CONTAINING VANADIUM AND ANTIMONY IN OXIDE FORM FROM A CATALYST PRECURSOR.

Applicant : THE STANDARD OIL COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF 200 PUBLIC SQUARE, 36F 3454, CLEVELAND, OHIO 44114-2375, UNITED STATES OF AMERICA.

Inventors :
MARK ANTHONY TOFT (USA).
JAMES FRANK BRAZDIL (USA), &
LINDA CLAIRE GLAESER (USA).

Application for Patent No. 783/Del/92 filed on 02-09-92.

Divided out of No. 945/Del/89 Ante dated to 18th October 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

9 Claims

A method of making a catalyst containing vanadium and antimony in oxide form from a catalyst precursor which comprises preparing in any known manner such as hereinbefore described an aqueous solution containing the monoperoxovandium ion $VO(O_2)^+$, aging said aqueous solution until a vanadium-containing sol or gel is formed, and reacting said vandium while in said aqueous sol or gel form with an antimony compound which contains Sb having a valence of 3, thereby reducing the average valence of the vanadium to less than 5 and oxidizing antimony to a valence state of 5 to produce a catalyst precursor having vanadium and antimony in oxide form in the atomic ratio of Sb to V in the range of from 0.8 to 4, drying said precursor and thereafter calcining the resulting dried product at a temperature in the range 650°C to 1000°C to produce said catalyst

(Compl. Specn. 11 Pages; Drgns. Nil Sheet)

Ind. Cl. : 55 E4, 32 F3b, 32 C 183837

Int. Cl.[4] : A 61 K 31/00

AN IMPROVED PROCESS FOR THE PREPARATION OF NICOTINONITRILE BY AMMOXIDATION USING BY-COMPONENT OXIDE CATALYST.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT, (ACT XXI OF 1860)

Inventors :
VATTIKONDA VENKAT RAO, INDIAN.
KAMARAJU SEETHA RAMA RAO, INDIAN.
POTHARAJU SEETHARAMANJANEYA SAT PRASAD, INDIAN.
KALEVARU VENKATA NARAYANA, INDIAN.
AKULA VENU GOPAL, INDIAN.
MACHIRAJU SUBRAHMANYAM, INDIAN.
PANJA KANTA RAO, INDIAN &
ALLA VENKATA RAMA RAO, INDIAN.

Application for Patent No. 300/Del/93 filed on 24-003-93

Complete left after Provisional Specification filed on 08-07-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

10 Claims

An improved process for the preparation of nicotinonitrile by ammoxidation using bicomponent oxide catalyst which comprises reacting 3-picoline with ammonia in the presence of at least 1.5 times oxygen on air and a catalyst composition consisting of vandium and titanium oxides in the molecular ratio of 9-1 : 1-9 in the vapour phase at 300 to 500°C recovering nicotinonitrile by known methods.

(Provl. Specn. 08 Pages; Drgns. Sheet Nil)
(Compl. Specn. 10 Pages; Drgns. Sheet Nil)

Ind. Cl. : 32F3b 183838

Int. Cl.[4] : C 07C 120/00, 120/14, 121/66

A PROCESS FOR PREPARATION OF HETEROAROMATIC NITRILES BY USING A NOVEL AMMOXIDATION CATALYST.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors :
KAMARAJU SEETHA RAMA RAO INDIA.
VATTIKONDA VENKAT RAO, INDIA.
POTHARAJU SEETHARAMANJANEYA SAI PRASAD, INDIA.
AKULA VENU GOPAL, INDIA.
KALEVARU VENKATA NARAYANA, INDIA.
MACHIRAJU SUBRAHMANYAM, INDIA.
PANJA KANTA RAO, INDIA.
ALLA VENKATA RAMA RAO, INDIA.

Application for Patent No. 310/Del/93 filed on 26-03-93.

Complete left after provisional filed on 24-06-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

9 Claims

An improved process for the preparation of heteroaromatic nitriles us using novel ammoxidation catalyst which comprises reacting an alkyl substituted heteroaromatic compound containing pyridine nucleus with ammonia in the ratio of 20 : 1 and molecular oxygen in vapour phase and steam in the presence of a catalyst as herein described at a temperature in the range of 330 to 475°C and recovering heteroaromatic nitriles by known methods such as herein described.

(Compl. Specn. 12 Pages; Drgns Sheet Nil)
(Provl. Specn. 8 Pages; DDrgns. Sheet Nil)

Ind. Cl. : $32F_8(_a)$ &55D2 183839

Int. Cl.[4] : C07D, 307/79

AN IMPROVED PROCESS FOR THE PREPARATION OF -7HYDROXY 2, 3, DIHYDRO 2, 2, DIMETHYL BENZOFURAN.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT, (ACT XXI OF 1860).

Inventors :
CHANGARAMPONATH GOPINATHAN.
SARADA GOPINATHAN.
RAJAT BARAN MITRA &
PAUL RATNASAMY, INDIA.

Application for Patent No. 368/Del/93 filed on 13-04-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

9 Claims

An improved process for the preparation of 7-hydroxy 2, 3 dihydro 2, 2, dimethyl benzofuran which comprises reacting catechol with beta methyllyl halide or alcohol in the ratio of 0.5 to 20 moles in the presence of a solid catalyst composite consisting of a conventional binder as here in described and 5 to 80% by wt of heteropoly acid as herein described in the vapour phase at a GHSV ranging from 0.1 to 10 gm/gm and distilling the 7-hydroxy 2, 3 dihydro 2, 2, dimethyl benzofuran from the reaction mixture.

(Compl. Specn. 12 Pages; Drgns. Nil Sheet)

Ind. Cl. : $32F_9$, $55D_2$ 183840

Int. Cl.[6] : C 07 D 307/00, A 01N 31/00

AN IMPROVED PROCESS FOR THE PREPARATION OF CARBOFURAN.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors :
CHANGARAMPONATH GOPINATHAN.
SARADA GOPINATHAN, INDIA.
RAJAT BARAN MITRA, INDIA.
PAUL RATNASAMY, INDIA.

Application for Patent No. 369/Del/93 filed on 13-04-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

9 Claims

An improved process for the preparation of carbofuran which comprises reacting catechol with beta methyl-lyl halide or methyllyl alcohol in the presence of a solid catalyst composite consisting of a heteropoly acid impregnated on a conventional inert binder in the vapour phase to produce 7-benzofuranol and reacting the said 7-benzofuranol (7-hydroxy 2, 3 dihydro 2, 2, dimethyl benzofuran with methyl isocyanate or with phosgene in presence of methyl amine at reflux temperature to obtain carbofuran, recovering the said carbofuran by known methods.

(Compl. Specn. 13 Pages; Drgns. Sheet Nil)

Ind. Cl. : 32 F 3 (b) 183841

Int. Cl.[6] : C 07 D 337/10

A PROCESS FOR THE PREPARATION OF 2-(10, 11-DIHYDRO-10-OXODIBENZO [B, F] THIEPIN-2-YL) PROPIONIC ACID.

Applicant : NIPPON CHEMIPHAR CO., LTD., OF 2-3, IWAMOTO-CHO, 2-CHOME, CHIYODA-KU, TOKYO, JAPAN; AND UBE INDUSTRIES LTD. OF 12-32, NISHI HONMACHI 1-CHOME, UBE-SHI, YAMAGUCHI, JAPAN BOTH ARE JAPANESE COMPANY;

Inventors :
(1) MASAO YAMAMOTO
(2) KUNIO KOBAYASHI
(3) KATSUMASA HARADA
(4) SHIGEYOSHI NISHINO
(5) HIROSHI SASAKI

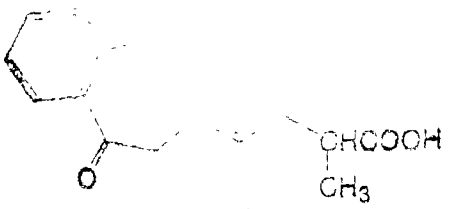
Application No. 1862/Mas/97 filed on 22nd August 1997.

(Convention No. 8-241088 on 22-08-96 in Japan).

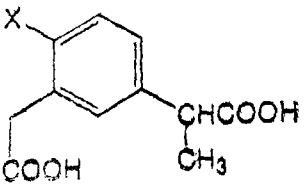
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

1. A process for preparing 2-(10, 11-dihydro-10-oxodibenzo [b, f] thiepin-2-yl) propionic acid of formula I



comprising reacting 2-(3-carboxymethyl-4-halogenophenyl) propionic acid of Formula II



wherein X is a halogen atom; with thiophenol in a polar solvent, under basic conditions, in the presence of a known catalyst, to produce 2-(3-carboxymethyl-4-phenylthiophenyl) propionic acid of Formula III

cyclizing the same in the presence of a known condensation agent under known condensation conditions and recovering 2-(10, 11-dihydro-10-oxodibenzo [b, f] thiepin-2-yl) propionic acid from the reaction mixture in a known manner.

Compl. Specn. 46 Pages; Drgns. Nil Sheet)

Ind. Cl. : 32 F 2 (b) 183842

Int. Cl.[6] : C 07 D 491/22

A PROCESS FOR THE PREPARATION OF WATER SOLUBLE 20 (S)-CAMPTOTHECIN ANALOGUES.

Applicant : DR. REDDY'S RESEARCH FOUNDATION, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT 7-1-27, AMEERPET, HYDERABAD-500016, A. P., INDIA.

Inventors :
(1) DUVVURI SUBRAHMANYAM
(2) VEDULA MANOHARA SHARMA
(3) AKELLA VENKATESWARLU

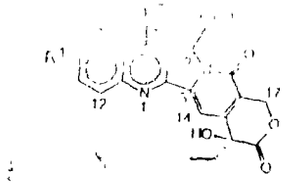
Application No. 2423/Mas/97 filed on 27th October 1997.

Divisional to Patent Application No. 914/Mas/94; Antedated to December 12, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

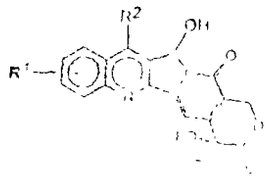
1. A process for the preparation of a water soluble 20 (S)-camptothecin analogue having the general formula 1,



I

wherein R^1 represents hydrogen, hydroxy, lower alkoxy, lower alkanoyl, nitro, cyano, halo, carboxy, amino, substituted amino, lower alkyl, substituted lower alkyl; R^2 represents hydrogen, lower alkyl, substituted lower alkyl, lower aralkyl, hydroxymethyl group or carboxymethyl group; and R^3 represents phenyl or benzyl where the phenyl group can be unsubstituted or substituted with mono, di or trisubstituents which may be selected from hydroxy, alkoxy, cyano, carboxy, nitro, amino or substituted amino; (C_3-C_7) cycloalkyl, (C_3-C_7) cycloalkyl lower alkyl where the cyclic ring may contain at least one heteroatom, lower alkyl, substituted lower alkyl where the substituents can be halogen, hydroxy alkoxy, carboxy cyano, amino in which amino group can be unsubstituted or mono, or disubstituted in which both substituents are independent or combined together to form a cyclic ring system containing either carbon or oxygen or nitrogen, which comprises,

reacting a compound of the general formula 2,



2

where R^1, R^2 have the meaning given above, with a compound of the formula.

R^3-OH

where R^3 has the meanings described above, in the presence of an acid and a solvent, to obtain the compound of the formula 1 as defined above and isolating the compound of the formula 1 following

usual work-up and known purification methods such as column chromatography or crystallisation techniques.

(Compl. Specn. 19 Pages; Drgns. Nil Sheet)

Ind. Cl. : 32 F 2 (b)

183843

Int. Cl.[4] : C 07 D 491/22

A PROCESS FOR THE PREPARATION OF WATER SOLUBLE 20 (S)-CAMPTOTHECIN ANALOGUES.

Applicant : DR. REDDY'S RESEARCH FOUNDATION, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT 7-1-27, AMEERPET, HYDERABAD-500016, A. P., INDIA.

Inventors :
(1) DUVVURI SUBRAHMANYAM
(2) VEDULA MANOHARA SHARMA
(3) AKELLA VENKATESWARLU

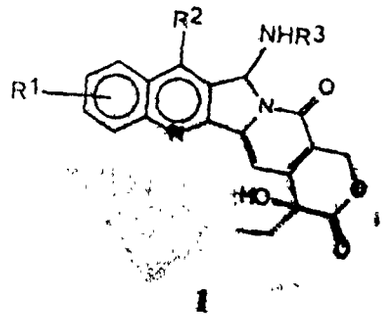
Application No. 2424/Mas/97 filed on 27th October 1997.

Divisional to Patent Application No. 914/Mas/94; Antedated to December 12, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

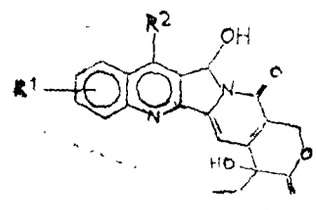
1. A process for the preparation of a water soluble 20 (S)-camptothecin analogue having the general formula 1,



I

wherein R^1 represents hydrogen, hydroxy, lower alkoxy, lower alkanoyl, nitro, cyano, halo, carboxy, amino, substituted amino, lower alkyl, substituted lower alkyl; R^2 represents hydrogen, lower alkyl, substituted lower alkyl, lower aralkyl, hydroxymethyl group or carboxymethyl group; and R^3 represents hydroxyl, phenyl or benzyl where the phenyl group can be unsubstituted or substituted with mono, di or trisubstituents which may be selected from hydroxy, alkoxy, cyano, carboxy, nitro, amino or substituted amino; (C_3-C_7) cycloalkyl, (C_3-C_7) cycloalkyl lower alkyl where the cyclic ring may contain at least one heteroatom, lower alkyl, substituted lower alkyl where the substituents can be halogen, hydroxy, alkoxy, carboxy, cyano, amino in which amino group can be unsubstituted or mono, or disubstituted in which both substituents are independent or combined together to form a cyclic ring system containing either carbon or oxygen or nitrogen, which comprises,

reacting a compound of the general formula 2,



where R^1, R^2 have the meaning given above, in the presence of a base and a solvent, with a compound of the formula,

R^3-NH_2

where R^3 has the meaning described above to obtain the compounds of the formula 1 as defined above and isolating the compound of the formula 1 following usual work-up and the known purification methods such as column chromatography or crystallisation techniques.

(Compl. Specn. 20 Pages; Drgns. Nil Sheet)

Ind. Cl. : 32 F 2 (b) 183844

Int. Cl.[4] : C 07 D 491/22

A PROCESS FOR THE PREPARATION OF WATER SOLUBLE 20 (S)-CAMPTOTHECIN ANALOGUES.

Applicant : DR. REDDY'S RESEARCH FOUNDATION, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT 7-1-27, AMEERPET, HYDERABAD-500016, A. P., INDIA.

Inventors :

(1) DUVVURI SUBRAHMANYAM
(2) VEDULA MANOHARA SHARMA
(3) AKELLA VENKATESWARLU

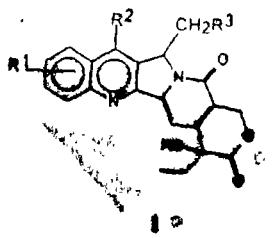
Application No. 2427/Mas/97 filed on 27th October 1997.

Divisional to Patent Application No. 914/Mas/94; Antedated to December 12, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

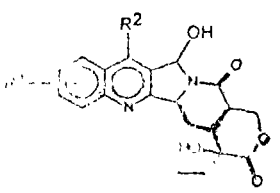
5 Claims

1. A process for the preparation of a novel water soluble 20 (S)-camptothecin analogue having the general formula 1,



1

wherein R^1 represents hydrogen, hydroxy, lower alkoxy, lower alkanoyl, nitro, cyano, halo carboxy, amino, substituted amino, lower alkyl, substituted lower alkyl; R^2 represents hydrogen, lower alkyl, substituted lower alkyl, lower aralkyl, hydroxymethyl group or carboxymethyl group R^3 represents hydrogen, phenyl or benzyl where the phenyl group can be unsubstituted or substituted with mono, di or trisubstituents which may be selected from hydroxy, alkoxy, cyano, carboxy, nitro,amino or substituted amino: (C_3-C_7) cycloalkyl, (C_3-C_7) cycloalkyl lwoer alkyl where the cyclic ring may contain at least one heteroatom, lower alkanoyl, lower alkyl, substituted lower alkyl where the substituents can be halogen, hydroxy, alkoxy, carboxy, cyano, amino in which amino group can be unsubstituted or mono, or disubstituted in which both substituents are independent or combined together to form a cyclic ring system containing either carbon or oxygen or nitrogen, which comprises, reacting a compound of the general formula 2,



2

where R^1, R^2 have the meaning given above, with compounds of the formula

R^3-J

in the presence of a base or a metal such as lithium or a Lewis acid where J represents CH_2-halogen, CH_2-trialkylsilyl, CH_2trialkyltin, CH_2-triphenylphosphonium salt or trialkyl phosphonium salt or J also represents

CH=Y

where Y represents triphenylphosphine or trialkylphosphine or J also represents CH_2-MgZ where Z denotes hologen other than fluorine and R^3 has the meanings described above, in the presence of a solvent, to obtain the compounds of the formula 1 as defined above and isolating the compound of the formula 1 following usual work-up and the known purification methods such as column chromatography or crystallisation techniques.

(Compl. Specn. 18 Pages; Drgns. Nil Sheets)

Ind. Cl. : 32 F 2 (b) 183845

Int. Cl.[4] : C 07 D 491/22

A PROCESS FOR THE PREPARATION OF WATER SOLUBLE 20 (S)-CAMPTOTHECIN ANALOGUES.

Applicant : DR. REDDY'S RESEARCH FOUNDATION, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT 7-1-27, AMEERPET, HYDERABAD-500016, A. P., INDIA.

Inventors :

(1) DUVVURI SUBRAHMANYAM
(2) VEDULA MANOHARA SHARMA
(3) AKELLA VENKATESWARLU

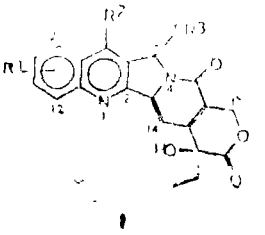
Application No. 2428/Mas/97 filed on 27th October 1997.

Divisional to Patent Application No. 914/Mas/94; Antedated to December 12, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

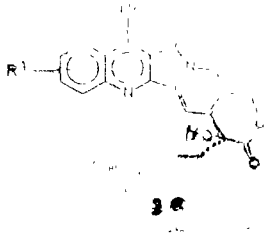
1. A process for the preparation of a water soluble 20 (S)-camptothecin analogue having the general formula 1,



1

wherein R^1 represents hydrogen, hydroxy, lower alkoxy, lower alkanoyl, nitro, cyano, halo carboxy, amino, substituted amino, lower alkyl substituted lower alkyl; R^2 represents hydrogen, lower alkyl, substituted lower alkyl, lower aralkyl, hydroxymethyl group or carboxymethyl group; and R^3 represents phenyl or benzyl where the phenyl group can be unsubstituted or substituted with mono, di or trisubstituents which may be selected from hydroxy, alkoxy, cyano, carboxy, nitro, amino or substituted amino; (C_3-C_7) cycloalkyl, (C_3-C_7) cycloalkyl lower alkyl where the cyclic ring may contain at least one heteroatom, lower alkanoyl, lower alkyl, substituted lower alkyl where the substituents can be halogen, hydroxy, alkoxy, carboxy, cyano, amino in which amino group can be unsubstituted or

mono, or disubstituted in which both substituents are independent or combined together to form a cyclic ring system containing either carbon or oxygen or nitrogen, which comprises, reacting a compound of the general formula 2,



where R^1, R^2 have the meaning given above and R' represents hydrogen or lower alkyl group. with a compound of the formula

R^3-SII

where R^3 has the meaning described above, in the presence of an acid and a solvent, to obtain the compound of the formula 1 as defined above and isolating the compound of the formula 1 following known purification methods such as column chromatography or crystallisation techniques.

(Compl. Specn. 15 Pages; Drgns. Nil Sheet)

Ind. Cl. : 32 F_8 C 183846

Int. Cl.[4] : C 07 D 311/72

A PROCESS FOR THE MANUFACTURE OF D, 1-α-TOCOPHEROL.

Applicant : F HOFFMANN-LA ROCHE AG 124, GRENZACHERSTRASSE, CH-4070 BASLE, SWITZERLAND (A SWISS COMPANY).

Inventors :

(1) MARCEL BAAK.
(2) WERNER BONRATH.
(3) HORST PAULING.

Application No. 2432/Mas/97 filed on 27th October 1997.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972), Patent Office, Chennai Branch.

9 Claims

A process for the manufacture of d, 1-oc-tocopherol by the catalyzed condensation of trimethylhydroquinone with isophytol, which process comprises carrying out the condensation in the presence of bis (trifluoromethylsulphonyl) amine [HN $(SO_2CF_3)_2$] or a metal salt thereof of the formula

Met $[N(SO_2CF_3)_2]_n$

I

wherein

Met signifies a metal atom selected from the group of lithium, boron, magnesium, aluminium, silicon, scandium, titanium,-vanadium, manganese, iron, cobalt, nickel, copper, zinc, yttrium, zirconium, rhodium, palladium, silver, in, lanthanum, cerium, neodymium, praseodymium, europium, dysprosium, ytterbium, hafnium, platinum and gold

and n signifies the corresponding valency (1, 2, 3 or 4) of the metal atom Met,

as the catalyst or of a combination of a metal salt of formula I and a strong Bronsted acid as the catalyst system in an organic solvent and isolating the desired compound in a known manner.

(Compl. Specn. 17 Pages; Drgns. Nil Sheet)

Ind. Cl. : 32 F2 b 183847

Int. Cl.[4] : C 07 D 417/00

PROCESS FOR THE PREPARATION OF NOVEL POLYMORPHIC FORM-5 OF TROGLITAZONE HAVING ENHANCED ANTI-DIABETIC ACTIVITY.

Applicant : DR. REDDY'S RESEARCH FOUNDATION, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT 7-1-27, AMEERPET, HYDERABAD-500016, A. P., INDIA.

Inventors :

1. KRISHNAMURTHI VYAS
2. CHEBIYYAM PRABHAKAR
3. DHARMARAJA STEENIVAS RAO
4. MAMILLAPALLI RAMABHADRA SARMA
5. GADDAM OM REDDY

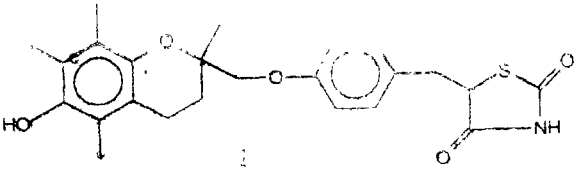
Application No. 2816/Mas/97 filed on 9th December 1997.

Divisional to Patent Application No. 276/Mas/96, Antedated to 15th May 1977.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

1. The process for the preparation of novel polymorphic Form 5 of Troglitazone having the formula I,



(I)

which is characterized by the data described hereunder :

Differential Scanning Calorimeter : Endotherm at 180.5°C (onset at 157.9°C)

X-ray powder diffraction (2θ) : 5.60, 11.06, 11.62, 15.48, 15.78, 16.48, 18.12, 18.34, 21.06, 21.90, 23.34, 23.58

Infrared absorption bands (cm^{-1}) : 3462(w), 3211(w), 3060 (w), 2921(w), 1756(m), 1685(s), 1610(w), 1583(w), 1513 (s), 1454(m), 1419(w), 1381(w), 1303(m), 1244(s), 1168 (m), 1117(w), 1085(w), 1047(m), 929(w), 861(w), 825 (w), 718(w), 665(w), 564(w), 509(w).

w=weak, m=medium, s=strong

which comprises

(i) synthesizing Troglitazone in crude form employing known methods,

(ii) subjecting the crude Troglitazone obtained in step (i) to column chromatography to obtain a partially purified Troglitazone having HPLC purity in the range of 60—79%

(iii) dissolving the partially purified Troglitazone obtained in step (ii) in organic polar and/or medium polar solvent and adding a non-polar solvent to the resulting solution,

(iv) cooling the resulting solution rapidly to -5°C at a rate of 10°C/minute and maintaining the temperature at -5°C for a period of 10—16 h to produce the polymorphic Form-6 of Troglitazone,

(v) isolating the polymorphic Form-6 of Troglitazone, by conventional methods, which is characterized by the data described hereunder :

Differential Scanning Calorimeter : Endotherm at 105.4°C (onset at 94.8°C),

X-ray powder diffraction (2θ) : 5.36, 8.54, 10.24, 10.70, 11.24, 12.48, 12.68, 15.58, 18.84, 19.48, 19.74, 20.58, 21.38, 21.56, 22.18,

Infrared absorption bands (cm^{-1}) : 3634(w), 3514 (w), 3176(w), 3060(w), 2930(w), 1753(m), 1686 (s), 1610(w), 1512(s), 1459(w), 1418(w), 1380 (w), 1335(m), 1300(m), 1253(s), 1164(s), 1106 (w), 1087(w), 1058(w), 1048(w), 937(w), 828(m), 723(w), 673(w), 606(w), 568(w), 515(w),

w=weak, m=medium, s=strong,

(vi) melting the polymorphic Form-6 of Troglitazone obtained above, by heating,

(vii) cooling the melt to ambient temperature slowly at a rate of 0.1 to 1°C/minute, over a period in the range of 1-4 h to give a glossy transparent material.

(viii) grinding the transparent flake to a fine powder to yield the polymorphic Form-4 of Troglitazone, which is characterized by the data described hereunder : Differential Scanning Calorimeter : Endotherm at 56.6°C, exotherm at 110.4°C (on set at 93.6°C) and endotherm 177.1°C (onset at 153.7°C)

X-ray powder diffraction (2θ) : No diffraction peaks due to its amorphous nature;

Infrared absorption bands (cm^{-1}) : 3473(w), 3204 (w), 3060(w) 2924(w), 1754(m), 1696(s), 1610 (w), 1583(w), 1512(s), 1457(m), 1420(w), 1378(w), 1333(m), 1301(m), 1243(s), 1162(m), 1115(w), 1085(w), 1041(w), 928(w), 849(w), 827(w), 715 (w), 664(w), 512(w)

w=weak, m=medium, s=strong and

(ix) subjecting the polymorphic Form-4 of Troglitazone obtained in step (viii) to isothermal heating in the range of 60 to 170°C preferably at 130°C for a period in the range of 5 min. to 4 h, cooling to ambient temperature slowly at a rate of 0.1 to 1°C/minute, over a period in the range 1-4 h followed by grinding the flake to a fine powder to yield the polymorphic Form-5 of Troglitazone.

Reference :- 1. JP 60 051189 2. US 5248699

(Compl Specn. 17 Pages; Drgs 26 Sheets)

Ind. Class : 32 F 3 (b) 183848

Int. Cl.[6] : C 07 C 59/48.

AN INDUSTRIAL PROCESS FOR THE CONTINUOUS MANUFACTURE OF SODIUM ORTHOHYDROXYMANDELATE.

Applicant : CLARIANT (FRANCE) S. A., 70 AVENUE DU PRESIDENT WILSON, 92800 PUTEAUX, FRANCE. A FRENCH JOINT STOCK COMPANY.

Inventors : 1. SIDOT CHRISTIAN.

Application No. : 450/Mas/98 filed on 05th March 1998.

Convention No. : 9702847. Dated : 11th March 1998, French.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

08 Claims

An industrial process for the continuous manufacture of sodium orthohydroxymandelate by condensation of phensol in an inert atmosphere with glyoxylic acid in aqueous solution, in the presence of a tertiary amine and of catalytic quantities of a trivalent metal cation at a temperature below 100°C, wherein the process is carried out continuously in at least three reactors (R1, R2 and R3) installed in series, the first reactor (R1) being kept at a temperature of 30 to 80°C, the second (R2), at a temperature of 70 to 90°C, and at last (R3) at a temperature of 70 to 90°C, the residence times of the reaction medium in each reactor being such that each is between 30 and 120 minutes, the first reactor (R1) being supplied by a first tank (C1) containing the glyoxylic acid and the trivalent metal cations, and by a second tank (C2) containing the phenol and the tertiary amine, that the reaction medium obtained at the outlet of the third reactor (R3) and consisting of an aqueous phase and an organic phase in transferred with an alkaline hydroxide such as sodium hydroxide or potassium hydroxide, and an ether which dissolves the phenol and the tertiary amine into the first of two mixer-decanters (MD1 and MD2) installed in series, that the aqueous phase of the first mixer-decanter (MD1) is sent into an extraction column(S) where it is mixed with an ether which dissolves the phenol and tertiary amine, the organic phase resulting from this being sent to the second tank (C2) at the same time as that which has come from the second mixer-decanter (MD2), while the aqueous phase containing the expected sodium orthohdroxymandelate is recovered in order to extract the expected sodium orthohydroxymandelate from it, while the organic phase that has come from first mixer-decanter (MD1) is transferred into the second mixer-decanter (MD2) and washed with water, and that the organic phase of the seond mixer-decanter (MD2) is mixed with an aqueous solution of phenol and concentrated in order to eliminate all or part of the aqueous phase, then sent to the second tank (C2) and wherein the molar proportion of the starting reagents is 1 mole of glyoxlic acid for 1 to 15 moles of phenol, for 0.8 to 1.2 moles of tertiary amine, and for 0.001 to 0.1 moles of trivalent metal cation.

(Comp Specn. : 17 Pages ; Drgs : Nil Sheet)

Ind. Cl. : 32 F 3 (b) 183849

Int. Cl.[6] : C 07 C 51/41

A PROCESS FOR PREPARING A SOLUBLE DOUBLE METAL SALT OF GROUP IA AND IIA METALS OF (—) HYDROXYCITRIC ACID.

Applicant : VITTAL MALLYA SCIENTIFIC RESEARCH FOUNDATION, AN INDIAN ORGANIZATION OF P. B. NO. 406, K. R. ROAD, BANGALORE-560004, KARNATAKA, INDIA.

Inventors :
1. KARANAM BALASUBRAMANYAM
2. BHASKARAN CHANDRASEKHAR
3. CANDADAI RAMADOSS
4. PILLARISETTI VENKAT SUBBA RAO

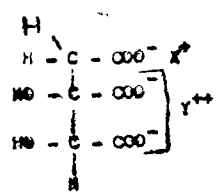
Application No. 2416/Mas/98 filed on 28th October 1998.

Divisional to Patent Application No 1987/Mas/97, Antedated to 17th June, 1998.

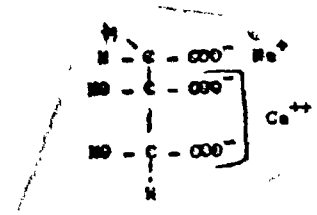
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

9 Claims

A process for preparing a soluble double metal salt of group IA and IIA metals of (—) hydroxycitric acid of general formula I and more particularly formula II as given below :



Formula I



Formula II

Where X is IA group metal

Where Y is IIA group metal, comprising

(i) extracting Garcinia rind containing (—) hydroxycitric acid with water,

(ii) loading the said extract of Garcinia rind containing hydroxycitric acid in anion exchange resin column and washing the said anion exchange column with group IA metal hydroxide to get the respective salt of free (—) hydroxycitric acid, said salt of free hydroxycitric acid is further purified by loading it on a cation exchange resin,

(iii) heating the said purified free (—) hydroxycitric acid in vacuo to evaporate water and get the (-) hydroxycitric acid concentrate

(iv) if desired, decolorizing the said (-) hydroxycitric acid concentrate with activated charcoal and filtering,

(v) neutralizing the said hydroxycitric acid concentrate with group IA metal hydroxide,

(vi) displacing partially group IA metal ions in the above salt solutions by adding group IIA metal chlorides to form soluble double metal salt of group IA and IIA metals of (-) hydroxycitric acid.

(vii) precipitating the said double metal salt of group IA and IIA metal salts of (-) hydroxycitric acid by adding aqueous polar solvent, and,

(viii) spray drying, if desired, the said double metal salt.

(Compl. Specn. 8 Pages; Drgs. Nil Sheet.)

Ind. Class : 90 I 183850

Int. Cl.[4] : C 03 B 5/00.

A METHOD OF PRODUCING A MELT FOR THE PRODUCTION OF FLAT GLASS AND A CROSS-FIRED REGENERATIVE FURNACE THEREFORE.

Applicant : PILKINGTON GLASS LIMITED OF PRESCOT ROAD, ST. HELENS MERSEYSIDE WA10 3TT, UNITED KINGDOM, A BRITISH COMPANY.

Inventors :

1. RICHARD QUIRK
2. DAVID ALAN BIRD
3. IAN NIGEL WILLIAM SHULVER
4. ROBIN MAXWELL MCINTOSH

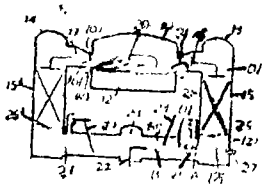
Application No. : 835/Mas/93 filed on 22nd November 1993.

(Convention No. 9224852.5 on 27-11-92 in UK).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

23 Claims

A method of producing a melt for the production of flat glass comprising the steps of melting known glass making components in a cross-fired regenerative glass furnace having a melting chamber and sealed regenerators having checkerwork structure acting as heat exchangers in the presence of air and fuel of produce glass reacting the waste gases generated during the process in the regenerators with air to oxidise, carbon monoxide contained therein.



(Compl. Specn. : 40 Pages; Drgns. : 4 Sheets)

Ind. Cl. : 83 A 1 & 2. 183851

Int. Cl.[4] : A 23 L 1/304, A 23 G 3/00 & 9/00.

A PROCESS FOR PREPARING A FORTIFIED FOODSTUFF SUCH AS A DAIRY BASED FOODSTUFF, CONFECTIONARY PRODUCT, ICE CREAM OR BEVERAGE.

Applicant : SOCIETE DES PRODUITS NESTLE S A; A SWISS BODY CORPORATE OF VEVEY, SWITZERLAND.

Inventors :

1. SEKHAR REDDY
2. ELANE REGINA WEDRAL
3. DHARAM VIR VADEHRA
4. ZYZAK LI LI

Application No. : 554/Mas/98 filed on 17th March 1998.

Convention No. : 08/822447 on 21-03-97 in US.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

A process for preparing a fortified foodstuff such as a dairy based foodstuff, confectionary product, ice cream or beverage, saig process comprising preparing a blend of calcium salts consisting of soluble calcium salts and insoluble calcium salts in a ratio of 1:3 and 3:1, adding the blend of calcium ratio with a source of glucuronic acid such as herein described and adding it to the foodstuff optionally blended with carrageenan to obtain a fortified foodstuff wherein the amount of calcium salts present in the fortified foodstuff beng 0.05% to 5% based on the weight of the foodstuff.

(Compl. Specn. : 9 Pages; Drgns. : Nil Sheet)

Ind. Cl. : 90 I. 183852

Int. Cl.[4] : C 03 B 5/00.

A METHOD OF PRODUCING MOLTEN GLASS FOR THE PRODUCTION OF SHAPED GLASS ARTICLES AND A REGENERATIVE FURNACE THEREFORE.

Applicant : PILKINGTON GLASS LIMITED, PRESCOT ROAD ,ST. HELENS MERSEYSIDE WA10 3TT, UNITED KINGDOM (A BRITISH COMPANY).

Inventors :

1. RICHARD QUIRK
2. DAVID ALAN BIRD
3. IAN NIGEL WILLIAM SHULVER
4. ROBIN MAXWELL MCINTOSH

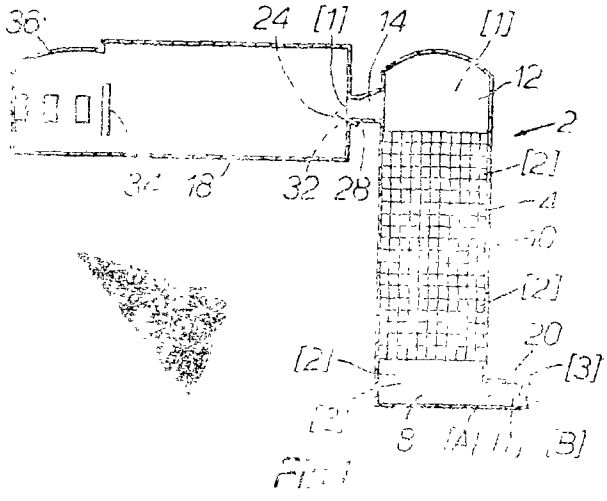
Application No. : 836/Mas/93 filed on 22nd November, 1993.

Convention date : 27-11-92, No. 9224852.5, UK.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

23 Claims

A method of producing molten glass for the manufacture of shaped glass articles comprising the steps of melting. Known glass making components for the production of shaped glass articles in a furnace, provided with a melting chamber and sealed regenerators having checkerwork structures acting as heat exchangers in the presence of air and fuel to produce molten glass for producing shaped glass articles, reacting the waste gases leaving the furnace through the regenerators with air to oxidise carbon monoxide contained therein.



(Compl. Specn. : 30 Pages; Drgns. : 3 Sheets)

Ind. Cl. : 155 F2 183853

Int. Cl.[5] : B 27 K 5/00

A METHOD AND APPARATUS FOR MANUFACTURING A WOOD MATERIAL OR POROUS INORGANIC MATERIAL INJECTED WITH TREATING LIQUID SUCH AS RESIN.

Applicant : SUMITOMO CORPORATION, A JAPANESE CORPORATION, 1-1, HITOTSUBASHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventor : MASATERU NOZOKI.

Application No. 921/Mas/93 filed on 21st December' 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

A method for manufacturing a wood material or porous inorganic material injected with treating liquids such as resin, the said method comprising the steps of :

(a) reducing the pressure on the material to less than 760 mmHg for 20 to 120 minutes to remove the gas thereon;

(b) subjecting the material to a pressure of 1.5 to 5kg/cm² which does not cause deformation and maintaining the said material at said pressure for 20 to 60 minutes;

(c) increasing the pressure thereon in steps or at once until the final stage of pressure which is 25 to 30 kg/cm², and while increasing the pressure in steps the material is subjected to a particular pressure for 10 to 30 minutes in each pressure-applying stage; and

(d) injecting the treating liquid into said material at the final stage of pressure.

(Compl Specn. 24 Pages; Drgns. 5 Sheets.)

Ind. Cl. : 172 D5 183854

Int. Cl.[5] : D 01 H 7/66

A MULTIPLE TWISTING SPINDLE

Applicant : HAMEL AG, STICKEREISTR. 4 CH-9320 ARBON, SWITZERLAND, A SWISS COMPANY.

Inventor : HANSJORG DUR.

Application No. 102 Mas/94 filed on 16th February' 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

23 Claims

A multiple twisting spindle comprising

a spindle rotor having an axial location for a yarn; and

a rotating cylindrical balloon limiter surrounding said spindle rotor and having at an upper end thereof at least one yarn guide eyelet affixed thereto said yarn guide eyelet spaced at an angular distance relative to said axial location of the yarn at said spindle rotor.

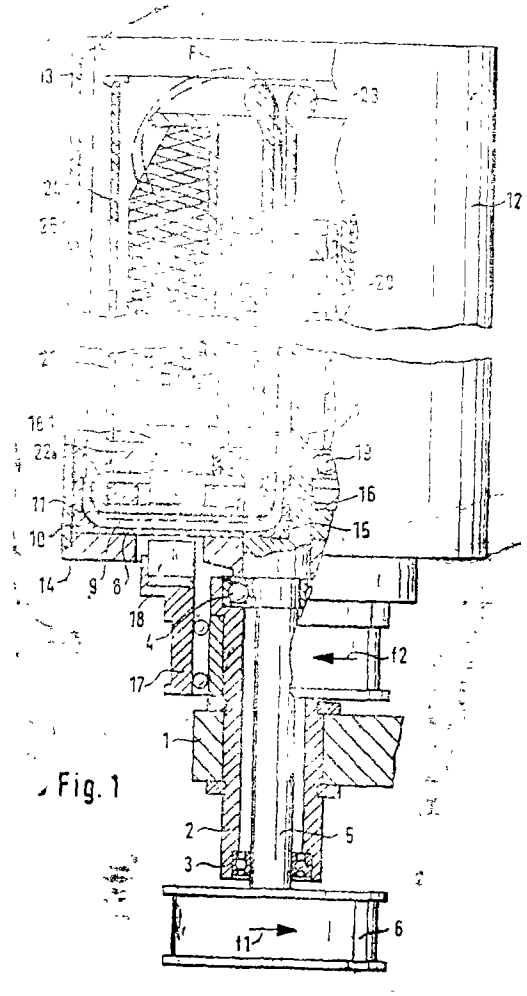


Fig. 1

(Compl. Specn, 18 Pages; Drgns. 5 Sheets.)

Ind. Cl. : 56 B 183855

Int. Cl.[4] : C 10 G 11/02

A PROCESS FOR PRODUCING A LUBRICATING OIL BASE STOCK FROM A HEAVY OIL WHICH CONTAINS WAX.

Applicant : CHEVRON RESEARCH & TECHNOLOGY COMPANY, A DIVISION OF CHEVRON USA, INC. OF 555 MARKET STREET, SAN FRANCISCO, CA 94120-7141, USA, A CORPORATION OF THE COMMONWEALTH OF PENNSYLVANIA.

Inventors :
1. DONALD S SANTILLI
2. STACEY I ZONES

Application No. 143/Mas/94 filed on 2nd March 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

10 Claims

A process for producing a lubricating oil base stock from a heavy oil which contains wax, said process comprising contacting said heavy oil at a temperature of from 400°F to 850°F, a reaction pressure of from 15 psig to 3000 psig and a liquid hourly space velocity from 0.1 to 20 hr^{-1} with a catalyst comprising (a) a zeolite having a mole ratio of silicon oxide to aluminum oxide greater than about 20 : 1 to less than 40 : 1, and having the X-ray diffraction lines of Table 1; and (b) at least Group VIII metal, wherein said wax is a naphthenic wax, and wherein the pour point of said lburicating oil base stock is reduced relative to the pour point of said heavy oil.

Compl. Specn. 20 Pages; Drgns. Nil Sheet.

Ind. Cl. : 40 B 183856

Int. Cl[4] ; C 08 F 4/00

"PROCESS FOR PREPARING A CATALYST SYSTEM FOR THE POLYMERIZATION AND COPOLYMERIZATION OF ETHYLENE AND 1—OLEFINS".

Applicant : HOECHST AKTIENGESELLSCHAFT, D-6230 Frankfurt am Main 80, Federal Republic of Germany, (A Corporation organised under the laws of Federal Republic of Germany)

Inventors : 1. Dieter BILDA, 2. Ludwig BOHM.

Applicant No. 159/MAS/ 94 filed on 7th March, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

4 Claims

A process for preparing a catalyst system for the polymerization and copolymerization of ethylene and 1-olefins to ultrahigh molecular weight ethylene homo— or copolymers in suspension or in the gas phase,

which comprises reacting

a) a magnesium compound of the formula I

$R^1—Mg—R^2$ (I),

where R^1 and R^2 are identical or different and are a C_1-C_{20}-alkyl radical, a C_5-C_{20}- cycloalkyl radical, a C_6-C_{20}- aryl radical or a C_2-C_{20} alkenyl radical, in an inert hydrocarbon at a temperature from 0 to 100° C with

b) a halogenating agent of the formula (II)

$X_n—C—Y$ (II),

where X is a halogen atom, $n \geq 3$ and Y is hydrogen, halogen, a C_1-C_{20}- alkyl radical, a C_5-C_{20}- Cycloalkyl radical, a C_6-C_{20}- aryl radical or a C_2-C_{20}- alkenyl radical,

to give a solid product comprising predominantly a compound of the formula III having an average particle size of < 10 um

$Mg—X_2$ (III),

where X has the meaning given above, and reacting this product

c) with a hydrocarbon-soluble titanium compound of the formula IV

$Z_m—Ti—Y_{4-m}$ (IV),

where Z and Y are identical or different and are a halogen atom, a C_1-C_6- alkoxy group or a C_1-C_{20}-carboxy radical and m is a number from 0 to 4, in a molar ratio Ti : Mg from 0.01 to 1.

d) a known electron donor is added in one of the reaction stages a), b) or c) in an amount from 0.01 to 1 mol per mole of magnesium compound

e) and recovering the catalyst by known means.

Comp. Specn. 20 pages ; Drags. Nil sheet.

Ind. Cl. : 98 F 183857

Int. Cl.[4] : A 01 G 9/22

FLAME RETARDANT UV-STABILIZED DRAPEABLE SCREEN.

Applicant : LUDVIG SVENSSON INTERNATIONAL B. V. A DUTCH COMPANY, 2 MARCONIGWEG, 3225 LV HELLEVOETSLUIS, NETHERLANDS.

Inventors :
(1) GORAN HENNINGSSON.
(2) HANS ANDERSSON,

Application No. 243/Mas/94 filed on 30th March 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

12 Claims

A flameretardant UV-stabilized drapeable screen used for shading and energy saving purposes such as in greenhouses, comprising flexible strips with a thickness less than 100µm, which by means of a crochet or weave process and a yarn system form a continuous product, where the strips constitute at least a part of the surface of the product, and at which at least some of the strips constitute of light and/or heat reflecting foil strips, e.g. a low emitting metal foil, preferably an Al-foil, characterized in, that the strips consist of a halogen or phosphorous bearing plastic film, and at least some of the strips are laminated with said foil strips, and that the yarn system, at least partly consists of a flameretardant material such as modacrylic or polyester or a mixture of these.

Compl. Specn. 13 Pages; Drgns. Nil.

Ind. Cl. : 206 E 183858

Int. Cl.[4] : H 04 N 7/00

A BI-DIRECTIONAL MMDS MDS COMMUNICATION SYSTEM.

Applicant : CONEXER CORPORATION, OF 1400 NORTH ROOSEVELT, BURLINGTON, IOWA 52601, U.S.A. A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF COLORADO, U.S.A.

Inventors :

(1) DALE LEE HEMMIE.

(2) CHARLES LACY BROWN.

Application No 300/Mas/94 filed on 15th April 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

11 Claims

A bi-directional MMDS/MDS communications system for receiving MMDS programming and for transmitting MDS data, said system comprising :

an antenna, said antenna receiving said MMDS programming, said antenna transmitting said MDS data,

A bi-directional converter connected to said antenna for down converting said MMDS programming into a group of converted MMDS signals in a first predetermined frequency range,

a receiver,

a communications link,

means receptive of said group of converted MMDS signals for delivering said signals to said communications link receiver,

means for generating data in a second predetermined-frequency range,

said bi-directional converter receptive of said data in the frequency range of 116 to 128 MHz over said delivering means for up converting said data into MDS signals, said antenna receptive of said MDS signals from said bi-directional converter for transmitting said MDS signals.

Compl. Specn. 26 Pages; Drgns. 4 Sheets.

Ind. Cl. : 35E 183859

Int. Cl.[4] : C 04 B 35/62

REFRACTORY WASH FOR PRODUCING MOULD COATINGS.

Applicant : HUTTENES-ALBERTUS CHEMISCHE WERKE GMBH, WIESENSTRASSE 23-64, 40549 DUSSELDORF-HEERDT, GERMANY. (A GERMAN BODY CORPORATE).

Inventors :

1. BARTSCH, DIETMAR.
2. SEEGER, DR. KLAUS.
3. KAISER, HANS-DIETER.

Application No. 405/Mas/94 filed on 16th May, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

Refractory wash for producing mould coating, comprising finely divided refractory to highly refractory inorganic materials as main component determining the function and inorganic hollow spheres, such as herein described, in an amount of 1-40% by weight, based on the ready-to use refractory wash.

Compl. Specn. 15 Pages; Drgns. 1 Sheet.

Ind. Cl : 32 F1 183860

Int. Cl.[4] : C 10 G 9/32, C 07 C 17/24 & C 07 C 19/08.

A PROCESS FOR THE PREPARATION OF FLUORINATED MONOMERS.

Applicant : DYNEON GMBH, A CORPORATION ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, D-84504 BURGKIRCHEN, GERMANY.

Inventors :

1. THOMAS SCHOTTLE.
2. KLAUS HINTZER.
3. HANS JOSEF STAUDT.
4. HERBERT WEBER.

Application No. 796/Mas/94 filed on 22nd August, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

A process for the preparation of fluorinated monomers by pyrolysis of fluorinated polymers in the presence of steam, which comprises carrying out the reaction in a fluidized bed reactor which contains known inert, granular material as the fluidized material, and feeding in steam as the fluidizing gas.

Compl. Specn. 9 Pages; Drgns. 1 Sheet

CLAIM UNDER SECTION 20 (1) OF THE PATENTS ACT, 1970

In pursuance of leave granted under Section 20 (1) of the Patents Act, 1970, appln. No. 778/Cal/92 (178512) made by "Deutsche Voest-Alpine Industrieanlagenbau GMBH" has been allowed to proceed in the name of "Voest-Alpine Industrieanlagenbau GMBH".

In pursuance of leave granted under Section 20 (1) of the Patents Act, 1970 application No. 214/Cal/95 (183421) made by Scitex America Corporation has been allowed to proceed in the name of Scidel Technologies Limited.

OPPOSITION PROCEEDINGS

An opposition entered by M/s. Bajaj Auto Limited, Pune to the grant of a patent to the application No. 182260 (91/Cal/95) has been withdrawn and the application for patent has been ordered to proceed for sealing.

RENEWAL FEES PAID

172083 177183 177187 177815 180360 176841 177245 181005
165440 182303 174382 174381 176034 177940 177311 180357
178441 178189 178251 176685 167623 180876 174311 171857
178181 178180 171349 180303 177672 178818 172332 177447
174479 174866 175715 180895 182523 182546 174925 176723
175724 166006 175601 180858 170586 182359 182407 182449
182432 182436 182409 164973 167682 167859 168341 170433
174779 174939 175030 175725 176097 176142 176146 176147
176341 176412 176416 180632 176261 180305 180856 171796
174313 176454 176547 174554 178391 174994 180074 176846
174225 174551 172327 174642 178253 175178 175179 175563
175564 169884 180745 179796 180089 180306 180310 180316
180364 180365 180381 176831 177246 177722 178183 178234
178327 178618 179279 180382 180383 180510 180750 180851
180852 181008 181268 177088 178421 178369 180710 173478
174453 176323 177648 179135 179922 178416 174673 169003
177036 177537 179106 181056 174299 174659 173279 174690
175340 177491 174669 177040 175288 177983 178645 178272
178963 179438 182214 177633 171424 181327 177609 178205
181645 182215 182720 174145 180072 182403 182404 182405
182434 182435 182438 182439 182441 182442 182444 176687
171781 182512 182515 182516 182517 182518 182519 182520
182522 182524 182528 182529 182513 182541 182543 182544
182550 175742 172498 175233 182355 182356 182357 182408
182445 182446 169256 171348 172177 174189 174229 174319
174353 179727 181430 176721 178938 176555 171798 180363
174228 177712 177714 176853 179222 171370 172607 180368
180369 180370 168613 172312 174317 177254 178464 180079
180322 180760 182545 171987 172087 178689 167955 174316
180389 174171 174850 177250 167683 168305 172304 178463
180853 168029 177253 172308 176858 177116 179224 170455
182590 167496 174485 174602 174926 175701 175707 180855

PATENT SEALED ON 31-03-2000

181530*D 181742 181885 182977 183102 183103 183104
183105* 183106 183109 183110 183111 183112* 183113
183114 183117 183118* 183119*D 183120*D 183121*
183122 183125* 183126 183128 183129 183132 183133
183134 183136* 183138* 183139 183140

CAL—18, DEL—NIL, MUM—NIL, CHEN—14

*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents.

F—Food Patents.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration included in the entries.

Class 3. Nos. 175817 to 175820, Dr. Sujoy Kumar Guha, Professor of Biomedical Engineering Centre for Biomedical Engineering (CBME), Indian Institute of Technology Delhi (IITD), Hauz Khas, New Delhi-110016, India, an Indian national, "A PACKING FOR MEDICAL DEVICE", 24th February 1998.

Class 3. Nos. 179294 & 179295, Kotobuki & Co. Ltd., a Japanese corp of 13 Nishi Kusisu-cho, Shichiku, Kita-ku, Kyotoshi, Kyoto, Japan. "WRITING INSTRUMENT", 21st April 1999.

Class 4. No. 180000, Sri Ramurth International, An Indian firm registered under the Indian partnership Act. 1932 of 41/4, Krishna Niwas, Sir Bhalchandra Road, Dadar, City of Mumbai-400014, State of Maharashtra, India. "BOTTLE", 27th July 1999.

Class 13. Nos. 180369, 180370 & 180379, Ritika Limited, an Indian Company of 138, Beliaghata Road, Calcutta, West Bengal, India. "DRESS MATERIAL", 16th September 1999.

Class 10. No. 180305, Ain't Plastic of 39/3, Tota Ki Tal, Lohamandi, Agra-2, U.P., India, an Indian sole proprietorship concern "SOLE FOR FOOTWEAR", 8th September 1999.

Class 1. No. 179058, M. M. Vision Shutters, having its office at 272, S.B.S. Road, Lucky House, 4th floor, Room No. 55, Near G.P.O. Fort, Mumbai-400001, Maharashtra, India, a proprietory concern of Tapan Dinesh Parmar of above address, "SLATE", 26th March 1999.

Class 3. No. 180013, Jamini Products, a partnership concern of 215, Old Sonal Industrial Estate, Ramchandra (Extn.) Lane, Kach Pada, Malad (W), Mumbai-400064, India "SWITCH", 28th July 1999.

Class 3. Nos. 175135 to 175139, Colgate-Palmolive Company, A Delaware Corporation of 300 Park Avenue, New York, New York-10022, United States of America., "TOOTH BRUSH", 1st December 1997.

DR. S. K. PAL
Asstt. Controller of Patents & Designs

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